Transect Counts of Rockfish in the Strait of Georgia from the Submersible *Pisces IV*, October & November 1984

L. J. Richards and A. J. Cass

Department of Fisheries and Oceans
Fisheries Research Branch
Pacific Biological Station
Nanaimo, British Columbia V9R 5K6

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TRANSECT COUNTS OF ROCKFISH IN THE STRAIT OF GEORGIA FROM THE SUBMERSIBLE PISCES IV, OCTOBER & NOVEMBER 1984

by

L. J. Richards and A. J. Cass

Department of Fisheries and Oceans

Fisheries Research Branch

Pacific Biological Station

Nanaimo, British Columbia V9R 5K6

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ABSTRACT

Richards, L. J. and A. J. Cass. 1985. Transect counts of rockfish in the Strait of Georgia from the submersible PISCES IV, October and November 1984. Can. Data Rep. Fish. Aquat. Sci. 511: 99 p.

Observations are summarized for 17 dives on PISCES IV made between October 2-7 and November 19-22 1984, at 15 sites in statistical areas 15 and 16 of the Strait of Georgia. The dives were designed to obtain visual counts of reef fishes along vertical transects from 20 m to 150 m and to make related observations on fish behaviour and habitat. Habitat characteristics (depth, visibility, habitat type, slope, relief, substrate type, temperature and salinity) and counts of rockfish, lingcod and other fish are reported by 10 m depth intervals by each observer for each transect of each dive. Sebastes maliger and S. ruberrimus were the most abundant species observed, and 58% of the S. maliger had a fork length of 15 cm or less. Rockfish were generally more abundant in high relief areas, although count accuracy probably decreased as relief increased. We considered PISCES IV to be an extremely valuable tool for studying fish abundances and assemblages.

RÉSUMÉ

Richards, L. J. and A. J. Cass. 1985. Transect counts of rockfish in the Strait of Georgia from the submersible PISCES IV, October and November 1984. Can. Data Rep. Fish. Aquat. Sci. 511: 99 p.

Le présent rapport résume les observations effectuées au cours de 17 plongées du PISCES IV réalisées du 2 au 7 octobre et du 19 au 22 novembre 1984 à 15 emplacements dans les zones statistiques 15 et 16 du détroit de Géorgie. Ces plongées visaient un dénombrement visuel des poissons de récif présents entre 20 et 150 m dans des transects verticaux et l'observation correspondante du comportement des poissons et de leur habitat. Les caractéristiques de l'habitat (profondeur, visibilité, type, pente, relief, type de substrat, température et salinité) et les nombres de sébaste, de morue-lingue et d'autres poissons sont présentés pour chaque intervalle de 10 m de profondeur étudié par un observateur de chaque transect en fonction de la plongée. Sebastes maliger et S. ruberrimus étaient les espèces les plus abondantes; chez 58% des S. maliger, la longueur à la fourche était de 15 cm ou moins. En général, les sébastes étaient plus abondants dans les zones de relief élevé quoique la précision des dénombrements ait probablement diminué à cause du relief plus accidenté. Le PISCES IV est considéré un outil précieux pour l'étude de l'abondance et des groupements de poisson.

INTRODUCTION

This report summarizes observations made from the submersible PISCES IV on dives between October 2-7 and November 19-22 1984. The submersible dives were designed to obtain visual counts of reef fishes along vertical transects and to make related observations on fish behavior and habitat. Dive sites were located in the Strait of Georgia in statistical areas 15 and 16 (Fig. 1). Research fishing by hook-and-line had previously been conducted at most of these sites and additional surface fishing was performed in conjunction with most submersible dives. Most of the sites had been surveyed by SCUBA to a depth of 20 m during September and October (Richards et al. in prep). The aim was to compare results from PISCES and SCUBA dives with the catch per effort, size distributions and species composition as determined by research hook-and-line fishing. One of the hypotheses that could then be tested is whether among-site differences in densities, size distributions and species composition are related to differences in habitat.

METHODS

PISCES IV carried a pilot, an observer on the port side and an observer on the starboard side. Because of the position of the view ports, each observer scanned one side of the submersible path, with little or no overlap in their observations. Data were recorded verbally on audio tape. Tapes were transcribed and the data were coded after the dives each day.

The basic pattern for each dive was to descend to approximately 150 m. This depth was chosen to include the maximum depth range of hook-and-line fishing, and the usual vertical distributions of the rockfish commonly caught by hook-and-line (Sebastes caurinus, S. maliger and S. ruberrimus). The pilot then approached the slope to a distance of about 2 m and began the ascent. We had determined 2 m to be the best distance for observations on rockfish under most conditions of visibility. Ascent speed varied according to habitat complexity, and to some degree according to pilot preference. The transect ended at an upper limit of about 20 m, as determined by safety requirements for the submersible. Whenever possible the process was repeated for a second or third transect. All dives were completed during daylight hours with generally one morning and one afternoon dive.

Observers counted all fish except small, and/or cryptic species such as sculpins, gobies and flatfishes, or midwater species such as herring and hake. These species were excluded because of the difficulty in obtaining representative counts. If a fish swam in front of the submersible it was counted by one observer only. Fish were photographed whenever possible if they could not be immediately identified to species. A field guide to the fishes was carried in the submersible.

Fork length was estimated for all rockfish, lingcod and greenlings. Length was determined by comparison with a 60-cm rod, marked at 10-cm intervals, that hung in front of each view port. As length was considered accurate to within only 5 cm for larger fish, lengths were grouped into 5-cm length categories for analysis.

Habitat characteristics were recorded at 10-m depth intervals or whenever the value changed for any variable. Habitat characteristics included (a) visibility, (b) slope (degrees from horizontal), (c) a relief index scaled between one (low) and five (high), (d) substrate type, and (e) habitat type. Visibility and slope were included in order to estimate area covered and to enable the conversion of fish counts to fish densities. The relief index was designed as a measure of habitat complexity. Low relief areas were smooth substrates such as mud or bare rock wall. High relief areas had many cracks and crevices that provided additional fish habitat, and included areas of broken rock and rock wall densely covered by sponges.

Substrate was described by a three-digit code that represented three sediment types listed in order of decreasing dominance (Table 1). Wood debris was included as a sediment type because it was an important component at some sites. Habitat type codes (Table 2) provided a general descriptive summary of the habitat characteristics. Two codes were used to describe a bedrock wall (50 and 70) because it was thought that vertical movements of rockfish might be restricted or facilitated depending on wall height.

Table 1. Sediment codes for Table 4.

Code	description	Code	description
1	sand	6	cobbles (64-250 mm)
2	shell	7	boulders (250-500 mm)
3	wood debris	8	broken rock (>500 mm)
4	gravel (<16 mm)	9	bedrock
5	pebbles (16-64 mm)		

Table 2. Habitat codes for Tables 4 to 7.

Code	description
10	fine sediment - sand/shell
20	predominantly fine sediment with scattered rocks or rock outcroppings
30	predominantly cobble with perhaps larger rocks, probably on mud base
40	broken rock/boulder forming complex habitat, or highly creviced area of wall
50	bedrock wall <25 m high with ledges, outcroppings or boulders, probably dropping to a mud or sand slope
60	bedrock slope (<60 m), generally smooth, as near the top of a reef
70	bedrock wall >25 m high

Depth, temperature and the conductivity ratio were recorded at 4-s intervals by an Applied Microsystems CTD-12 attached to the submersible. Data for the tables however, were taken from the initial descent of each dive and the data were repeated for each transect. Water samples were collected for salinity calibration by surface vessel for the October trip and from the submersible for the November trip. The conductivity ratio was converted to practical salinity using the algorithm in Folonoff and Millard (1983).

RESULTS AND DISCUSSION

DIVE SUMMARY

A total of 23 transects were completed at 15 sites during 17 dives (Fig. 1; Table 3). Both port and starboard observations were recorded from all but two dives (1578 and 1579). The two sites in Jervis Inlet (16-166 and 16-168) were alternates that were chosen because of weather conditions at the planned sites. These were the only sites at which research fishing by hook-and-line had not been previously conducted.

Table 3. Dive summary. Columns are PISCES dive number, date (year/month/day), site number, site name, start time for the first transect, maximum dive depth (m), number of transects, the pilot, and the port and starboard observers.

Dive no.	Date	Site no.	Name	Time	Max dep	No tr	Pilot	Observers port/star
1531	84/10/02	15- 6	Teakerne	0933	160	2	Whitcombe	Richards/Cass
1532	84/10/02	15- 27	Junction	1323	170	1	Whitcombe	Richards/Cass
1533	84/10/03	15- 56	Mink	1356	244	2	Shepherd	Richards/Cass
1534	84/10/04	15- 60	Tenedos	1029	159	3	Oszust	Richards/Cass
1535	84/10/05	15-103	Twin	0922	202	2	Holland	Richards/Cass
1536	84/10/05	15-121	Major	1247	40	1	Holland	Richards/Cass
1537	84/10/06	16-216	Ball	1255	194	1	Taylor	Richards/Cass
1538	84/10/06	16-223	Strawberry	1451	167	1	Taylor	Richards/Cass
1539	84/10/07	16-166	Jervis	0959	156	2	Whitcombe	Richards/Cass
1578	84/11/19	16-216	Ball	0930	158	2	Holland	Richards/Westrheim
1579	84/11/19	16-168	Foley Hd	1310	150	3	Holland	Richards/Westrheim
1580	84/11/20	16-234	Temple	0939	154	2	Whitcombe	Richards/Cass
1581	84/11/20	16- 73	E. Texada	1253	130	2	Whitcombe	Richards/Cass
1582	84/11/21	16-102	Partington	0922	188	2	Taylor	Richards/Cass
1583	84/11/21	16-113	S.W. Texada	1243	113	3	Taylor	Richards/Cass
1584	84/11/22	16-234	Temple	0843	93	2	Oszust	Richards/Cass
1585	84/11/22	16-242	Bjerre	1033	119	2	Oszust	Richards/Cass

Habitat characteristics as described for each transect by each observer are presented in Table 4. Depths are listed in the order in which they were encountered and are the lower bounds for the corresponding habitat characteristics. Habitat length is the vertical distance travelled by the submersible over which those habitat characteristics apply. As the terrain was uneven at some sites (e.g. 1538), habitat length is the sum of positive and negative depth changes within the same depth interval.

Cloud sponges (Aphrocallistes vastus and Chonelasma calyx) and boot sponges (Rhabdocalyptus dawsoni and Staurocalyptus dowlingi) are listed under remarks for depth intervals over which they were sufficiently dense to increase relief. The remarks also apply to pieces of broken sponge that were abundant at the base of rock walls and on rock ledges. Cloud sponges were often over 1 m in height and they had a convoluted appearance. The presence of concentrations of sponges resulted in a significant increase in habitat complexity.

Current is listed under remarks for the depth intervals over which the submersible was forced at an oblique angle along a wall. Area covered, based on habitat length, slope and visibility, will be underestimated in these cases.

The submersible was equipped with external lights. Visiblity tended to be constant over most of the dive until surface light became a factor at a depth of 30 to 40 m. Occasionally visibility was reduced because of the angle of the slope or because the submersible created a cloud of sediment.

Minor differences in port and starboard habitat descriptions may reflect differences in interpretation by each observer. These were minimized as much as possible by post-dive discussions. Occasionally (e.g., in current areas) the submersible path was not perpendicular to the substrate and the views of the port and starboard observers overlapped. As one observer was designated to count fish at these times, counts by each observer did not always represent replicates.

Between-transect differences within a site generally reflect fine scale differences in habitat. However, variations in ascent speed and distance from the substrate could also have affected counts.

FISH OBSERVATIONS

Most rockfish did not appear to alter their behaviour as the submersible passed. We did observe some avoidance of the submersible by lingcod and kelp greenling. Rockfish and lingcod counts are listed in Table 5 and counts for other species are listed in Table 6. Depth and habitat type are included in these tables for cross-reference with Table 4.

Most fish could be readily identified to the species level, and observations were later verified with photographs if possible. The unidentified rockfish on dive 1533 had a red-brown appearance and were not one of the species named. Other fish listed as unidentified either disappeared from view before they could be examined or were hidden within a sponge or crevice.

Sebastes diploproa was confused with S. ruberrimus on the early dives as this species was not correctly identified until dive 1538. S. pinniger may have also been confused at times with S. ruberrimus. A total of two S. pinniger (both 40 cm) were counted (dives 1580 and 1583), although no S. pinniger were caught by hook-and-line at any of the areas fished. S. brevispinus were identified because this species had been caught nearby with hook-and-line.

S. diploproa tended to occur in groups on mud bottom below the depth range of S. ruberrimus, although the species were observed together (dive 1580, at the mud/wall interface). S. ruberrimus and S. maliger were the most abundant rockfish species. They were restricted to rock bottom and were only observed on mud if rocks were nearby or sponges provided additional relief.

S. elongatus occurred to a minimum depth of about 50 m on mud or mud and rock bottom. S. caurinus were only observed in rocky areas and rarely below 20 m. However on dive 1585 the largest S. caurinus, approximately 40 cm, was observed on a mud slope at 80 m. A juvenile S. nigrocinctus was also observed at 110 m on this dive. Other S. nigrocinctus were observed in high relief areas.

Ratfish and dogfish occurred throughout the depth ranges covered. At times they appeared to be attracted to the submersible and care was taken to not count the same fish more than once. Striped and pile perch occurred in mixed schools at shallow depths. The other species in Table 6 were observed infrequently.

Size distributions are listed for rockfish and lingcod in Table 7. Depth and habitat type are also included for cross-reference to Table 4. Fish of 15 cm or less in length accounted for 35% of the counts for S. ruberrimus and 58% for S. maliger. The highest concentrations of S. maliger were found near 50 m on dive 1584 (Temple Rock). Dense cloud sponges created a high relief area on the top of the reef at this site.

SITE DESCRIPTIONS

The Teakerne Arm site (15-6, 1531) was predominantly rock wall. It differed from other wall sites in that the wall was more heavily terraced and less steep, especially above 50 m. Wood debris was abundant on the ledges as log booms were moored nearby. Few fish were counted at this site, except on areas of broken rock near the upper depth limit.

The Junction Point site (15-27, 1532) had an uneven terrain formed by rock outcroppings of various heights on a predominantly mud slope.

The deepest dive occurred at the Mink Island site (15-56, 1533). There was a rock wall until a depth of about 180 m, followed by a mud slope with rock outcroppings of various heights. A vertical wall began at about 100 m.

The Tenedos dive (15-60, 1534) was up a reef in the middle of Tenedos Bay. The lower portion (below 120 m to 130 m) was a typical vertical wall. The middle portion was a mud slope with rock outcroppings. The upper portion (above 70 m) was a complex habitat formed by broken rock, boulders and

dense concentrations of sponges. There were high densities of S. maliger in the sponge areas, especially on the top of the reef.

The site at Twin Island (15-103, 1535) had the highest relief that was observed on a vertical wall. The wall was formed with many deep, parallel fissures that crossed the wall at an angle of approximately 70°. The relief was further increased along most of the wall by dense sponge concentrations.

The dive at Major Islet (15-121, 1536) was aborted because of surface weather conditions. The dive began on a ridge of boulders and cobble.

The Ball Point site (16-216, 1537, 1578) alternated between rock wall and steep mud slope. Dive 1537 began on a ridge away from the main wall.

The Strawberry Islet site (16-223, 1538) had an undulating terrain formed by rock outcroppings on a mud slope. Observations were stopped and restarted several times while the submersible descended from the top of a rise. Starboard observations were not available after 62 m due to tape problems.

The rock wall at the first site in Jervis Inlet (16-166, 1539) was less steep than at other sites and had wide mud ledges. The Foley Head dive near-by (16-168, 1579) was on a vertical rock wall. There was a moderate current near 40 m that carried the submersible sideways for a distance. Rockfish densities appeared to be higher in the current areas.

The dives at Temple Rock (16-234, 1580, 1584) covered a range of habitat types including vertical wall and an undulating terrain formed by rock outcroppings on a mud slope. High S. maliger densities were found in conjunction with cloud sponges on the top of a rise, as for the Tenedos Bay site.

The E. Texada Island site (16-73, 1581) was a mud and cobble slope. Most of the rockfish were counted in an area of boulders and broken rock that began above 50 m.

The dive at Partington Point (16-102, 1582) began on an undulating terrain formed by rock outcroppings on a mud slope. A rock wall of variable slope was reached near 100 m.

The terrain at S. W. Texada Island (16-113, 1583) was predominantly mud and gravel. Bedrock outcroppings formed a vertical wall at some depths. There were high densities of S. maliger found in association with cloud sponges on the wall areas of the first transect.

The Bjerre Shoal site (16-242, 1585) was a predominantly mud slope with cobble and occasional boulders over the depth range examined. A dense band of euphausids reduced the visibility below 107 m. There were more and larger rockfish at this site than expected, based on similar types of habitat at other sites.

COUNT ACCURACY

Visual counts are known to provide a biased estimate of the size of fish populations (Sale and Douglas 1981; Brock 1982) and different counting techniques have been developed depending on the underwater terrain and the goals of the survey (e.g., Craik 1981; DeMartini and Roberts 1982). We chose the line transect method over other techniques because (1) counts could be converted to densities, (2) abundances were relatively low at most sites so that it was preferable to cover a large area, and (3) it was not important to count small and cryptic species (except juvenile rockfish).

Minor variations among pilots in ascent speed and the distance from the substrate probably had some effect on counting accuracy. However, relief was the most important factor and the relief index is probably an inverse measure of accuracy, especially for small rockfish. It was not possible to examine cracks and crevices with the submersible, or to examine inside or behind the sponges, unless the submersible passed directly over the crack or sponge. Fish could only be counted if they were in an exposed position. Hence in high relief areas, count accuracy probably decreased with distance from the submersible. The bias is also related to fish size, and will increase more quickly with distance for small fish than for large fish.

CONCLUSION

Submersibles have been used more often for observations on fish behavior, than for quantitative estimates of fish abundance. Some of the problems we encountered with PISCES IV were: (1) It was difficult to determine the area covered, (2) Vision was restricted by narrow view ports, (3) It was not possible to examine crevices, (4) Fish could not be collected for later identification, and (5) Bottom time was limited. In spite of these limitations, we considered the submersible to be an extremely valuable tool for estimating relative abundance. The greatest advantage was that data could be collected on fish habitat and behavior. Consequently, new hypotheses on fish assemblages and distributions can now be tested.

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Table 4. Habitat characteristics as described for each transect of each dive by each observer. Columns are depth, habitat length, visibility (m), slope, habitat type, relief index, sediment type, temperature and salinity. See text for details. Sediment codes are described in Table 1 and habitat codes are described in Table 2. Salinity data are preliminary and are accurate to only 2°/$_{oo}$.

DIVE NO. 1531, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
160	5	5.0	45	60	2	913	9.2	30.5	
155	5	4.5	60	10	1	130	9.2	30.5	
150	10	4.5	60	20	1	139	9.2	30.5	
140	2	4.5	80	10	1	100	9.2	30.5	
138	8	3.0	90	70	2	910	9.2	30.5	CLOUD SPONGES
130	10	3.0	70	70	1	913	9.1	30.5	
120	10	3.0	80	70	2	931	9.1	30.5	BOOT SPONGES
110	10	3.0	70	70	2	913	9.2	30.5	BOOT SPONGES
100	10	3.0	85	70	2	913	9.2	30.4	BOOT SPONGES
90	5	3.0	70	70	2	913	9.2	30.3	
85	5	3.0	80	10	1	130	9.2	30.2	
80	6	3.0	80	10	1	130	9.2	30.2	
76	4	3.0	90	70	2	900	9.2	30.2	BOOT SPONGES
70	10	3.0	90	70	2	913	9.2	30.1	CLOUD SPONGES
60	10	3.0	70	70	3	913	9.3	30.0	
50	6	3.0	40	10	1	130	9.3	29.8	
44	4	3.0	80	70	2	910	9.4	29.6	
40	10	5.0	40	60	2	910	9.5	29.6	
30	10	6.0	30	60	2	981	9.6	29.2	
20	1	6.0	30	60	2	910	9.7	29.1	

DIVE NO. 1531, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
160	5	5.0	50	60	2	913	9.2	30.5	
155	5	5.0	50	10	1	130	9.2	30.5	
150	6	5.0	60	10	1	130	9.2	30.5	
144	4	3.0	70	70	2	913	9.2	30.5	
140	2	3.0	70	10	1	130	9.2	30.5	
138	8	3.0	90	70	1	900	9.2	30.5	
130	10	3.0	80	70	1	900	9.1	30.5	
120	10	3.0	80	70	1	910	9.1	30.5	
110	10	3.0	80	70	2	913	9.2	30.5	
100	10	3.0	80	70	2	913	9.2	30.4	
90	10	3.0	80	70	2	913	9.2	30.3	

Table 4 (cont'd)

DIVE NO. 1531, TRANSECT 1, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
80	10	3.0	80	70	2	913	9.2	30.2	
70	10	3.0	90	70	2	913	9.2	30.2	
60	10	3.0	80	70	3	913	9.3	30.0	
50	6	3.0	40	10	1	113	9.2	29.8	
44	4	3.0	60	70	2	913	9.4	29.6	
40	10	5.0	50	60	2	910	9.5	29.5	
30	7	6.0	30	60	2	981	9.6	29.2	
23	3	6.0	70	50	2	981	9.7	29.1	
20	1	6.0	30	10	1	100	9.7	29.1	

DIVE NO. 1531, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
160	10	3.0	60	70	2	910	9.1	30.5	
150	10	3.0	50	20	1	193	9.1	30.5	
140	10	4.0	75	70	1	913	9.1	30.5	
130	10	4.0	80	70	1	913	9.1	30.5	
120	10	4.0	70	70	1	913	9.1	30.5	
110	10	4.0	80	70	1	913	9.1	30.4	
100	10	4.0	80	70	2	913	9.1	30.3	
90	10	4.0	80	70	2	913	9.1	30.3	
80	10	4.0	80	70	1	913	9.2	30.2	
70	10	4.0	80	70	2	913	9.2	30.1	CLOUD SPONGES
60	10	4.0	80	70	1	913	9.3	30.0	
50	10	4.0	30	60	1	931	9.4	29.8	
40	4	4.0	60	10	1	130	9.5	29.5	
36	6	4.0	60	50	2	910	9.5	29.4	
30	10	6.0	50	60	2	913	9.8	29.3	
20	10	6.0	50	40	2	981	9.7	29.1	
10	3	6.0	40	40	3	981	10.3	28.3	BOOT SPONGES

DIVE NO. 1531, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
160	10	3.0	60	70	2	910	9.2	30.5	
150	10	3.0	50	20	1	193	9.1	30.5	
140	10	3.0	70	70	1	913	9.2	30.5	
130	10	3.0	80	70	1	913	9.1	30.5	
120	10	3.0	80	70	1	913	9.1	30.5	
110	10	3.0	80	70	1	913	9.2	30.5	
100	10	3.0	85	70	2	913	9.2	30.4	
90	10	3.0	90	70	2	913	9.2	30.3	
80	10	4.0	85	70	1	913	9.2	30.2	

Table 4 (cont'd)

DIVE NO. 1531, TRANSECT 2, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
70	10	4.0	80	70	2	913	9.2	30.2	
60	10	4.0	80	70	1	913	9.3	30.0	
50	10	3.0	60	10	1	130	9.4	29.8	
40	10	4.0	60	10	1	130	9.5	29.4	
30	10	6.0	70	50	2	913	9.8	29.3	
20	10	6.0	40	40	2	189	9.8	29.0	
20	10	6.0	40	40	2	981	9.8	29.0	

DIVE NO. 1532, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
170	10	4.0	70	50	2	910	9.1	30.5	
160	10	4.0	40	60	2	918	9.1	30.5	
150	6	3.0	30	10	1	100	9.1	30.5	
150	3	4.0	20	20	2	190	9.1	30.5	
154	4	3.0	30	10	1	100	9.1	30.5	
147	7	4.0	40	20	2	189	9.1	30.5	
140	10	3.0	50	10	2	139	9.1	30.5	BOOT SPONGES
130	8	3.0	80	50	2	910	9.1	30.5	CLOUD SPONGES
122	2	3.0	30	10	1	100	9.1	30.5	
120	10	3.0	15	20	2	180	9.1	30.5	
110	10	4.0	40	20	1	180	9.1	30.4	
100	10	4.0	50	20	2	178	9.1	30.4	CLOUD SPONGES
90	10	4.0	70	20	2	187	9.1	30.3	
80	3	4.0	50	20	2	187	9.2	30.2	
73	7	4.0	80	50	1	900	9.2	30.2	
70	10	4.0	60	10	1	100	9.2	30.1	
60	10	4.0	60	10	1	100	9.3	29.9	
50	10	4.0	50	20	1	180	9.3	29.8	
40	10	4.0	50	40	2	981	9.4	29.7	
30	10	6.0	50	40	3	981	9.5	29.4	
20	5	6.0	90	40	3	891	9.4	29.2	
15	5	8.0	70	40	3	891	10.1	28.7	
10	4	8.0	60	40	3	871	11.2	27.7	

DIVE NO. 1532, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
170	10	4.0	70	50	2	910	9.1	30.5	
160	2	4.0	60	50	1	910	9.1	30.5	
158	4	4.0	40	10	1	100	9.2	30.5	
154	4	4.0	40	20	2	190	9.2	30.5	

Table 4 (cont'd)

DIVE NO. 1532, TRANSECT 1, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
150	6	3.0	30	10	1	100	9.1	30.5	
154	4	3.0	30	20	2	190	9.2	30.5	
150	4	4.0	20	10	1	100	9.1	30.5	
146	6	3.0	40	20	2	198	9.1	30.5	
140	2	3.0	50	20	2	139	9.1	30.5	
138	8	3.0	60	10	1	130	9.1	30.5	
130	8	3.0	80	50	2	910	9.1	30.5	
122	2	3.0	30	10	1	100	9.1	30.4	
120	10	3.0	30	20	2	178	9.1	30.4	
110	10	4.0	30	10	1	100	9.1	30.4	
100	10	4.0	50	20	2	170	9.1	30.4	
90	10	4.0	70	20	2	187	9.1	30.3	
80	10	4.0	50	20	2	187	9.2	30.3	
70	10	4.0	50	10	1	100	9.2	30.2	
60	10	4.0	60	10	1	100	9.3	29.9	
50	10	4.0	50	10	1	100	9.3	29.8	
40	2	4.0	60	10	1	100	9.4	29.6	
38	4	3.0	50	40	2	981	9.4	29.7	
34	4	4.0	90	50	2	910	9.5	29.5	
30	3	5.0	50	40	2	981	9.5	29.4	
27	7	6.0	90	50	3	981	9.5	29.4	
20	3	6.0	90	40	3	891	9.4	29.2	
17	7	8.0	70	40	3	891	10.8	28.7	
10	6	8.0	60	40	3	871	11.3	27.7	

DIVE NO. 1533, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
230	10	4.0	85	70	1	910	9.1	30.6	
220	10	4.0	80	70	2	910	9.1	30.5	CLOUD SPONGES
210	10	4.0	80	70	2	916	9.1	30.5	CLOUD SPONGES
200	10	4.0	90	70	2	910	9.1	30.5	
190	10	4.5	80	70	2	916	9.1	30.5	CLOUD SPONGES
180	14	5.0	30	60	2	917	9.1	30.5	CLOUD SPONGES
170	7	5.0	30	60	2	961	9.1	30.5	
160	6	4.0	40	60	2	910	9.1	30.5	CLOUD SPONGES
159	9	4.0	30	20	1	167	9.1	30.5	
150	15	5.0	50	60	2	916	9.1	30.5	CLOUD SPONGES
147	10	4.0	20	20	1	160	9.2	30.5	
140	8	4.0	40	60	2	910	9.1	30.5	CLOUD SPONGES
140	10	4.0	50	10	1	100	9.1	30.5	
130	10	4.0	70	10	2	100	9.1	30.4	CLOUD SPONGES
120	10	4.0	80	10	2	100	9.2	30.4	CLOUD SPONGES
110	10	4.0	80	10	2	100	9.1	30.4	CLOUD SPONGES
100	10	4.0	90	70	2	910	9.2	30.3	

Table 4 (cont'd)

DIVE NO. 1533, TRANSECT 1, PORT (cont'd)

DEP	LEN.	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
90	10	4.0	90	70	1	900	9.2	30.2	
80	10	4.0	90	70	1	900	9.2	30.1	
70	10	4.0	90	70	2	900	9.2	30.1	CLOUD SPONGES
60	10	4.0	90	70	2	900	9.2	29.9	CLOUD SPONGES
50	10	5.0	90	70	2	900	9.3	29.8	CLOUD SPONGES
40	10	5.0	90	70	2	900	9.7	29.2	CLOUD SPONGES
30	10	5.0	90	70	2	900	9.7	29.1	
20	5	5.0	70	70	1	900	10.8	28.2	

DIVE NO. 1533, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
230	10	4.0	85	70	1	910	9.1	30.5	
220	10	4.0	85	70	2	910	9.1	30.5	
210	10	4.0	85	70	2	910	9.1	30.5	
200	10	4.0	90	70	2	910	9.1	30.5	
190	10	4.5	80	70	2	910	9.1	30.5	
180	10	5.0	60	70	2	910	9.1	30.5	
170	3	5.0	30	20	1	160	9.1	30.5	
173	3	5.0	30	30	1	617	9.1	30.9	
170	3	5.0	70	50	1	961	9.1	30.5	
167	7	5.0	35	60	2	916	9.1	30.5	
160	6	4.0	75	50	2	910	9.1	30.5	
154	6	4.0	35	20	1	167	9.1	30.5	
150	10	5.0	80	50	2	910	9.1	30.5	
140	8	4.0	40	20	1	196	9.1	30.5	
140	10	4.0	30	60	1	910	9.1	30.5	
150	10	4.0	30	20	1	167	9.1	30.5	
140	10	4.0	50	10	1	100	9.1	30.5	
130	10	4.0	70	10	2	100	9.1	30.4	
120	10	4.0	80	10	2	100	9.2	30.4	
110	10	4.0	80	10	2	100	9.1	30.4	
100	10	4.0	80	10	2	190	9.2	30.3	
90	10	4.0	90	70	1	910	9.2	30.2	
80	10	4.0	90	70	1	910	9.2	30.1	
70	10	4.0	90	70	2	910	9.2	30.1	
60	10	4.0	90	70	2	910	9.2	29.9	
50	10	5.0	90	70	2	910	9.3	29.7	
40	10	5.0	90	70	2	910	9.3	29.7	
30	10	5.0	90	70	2	910	9.7	29.1	

Table 4 (cont'd)

DIVE NO. 1533, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
144	4	3.0	30	10	1	100	9.2	30.4	
140	10	4.0	40	10	2	100	9.2	30.5	CLOUD SPONGES
130	10	4.0	80	20	2	170	9.1	30.5	CLOUD SPONGES
120	10	4.0	80	20	2	190	9.1	30.4	CLOUD SPONGES
110	10	4.0	90	70	1	910	9.1	30.4	
100	10	4.0	90	20	2	198	9.2	30.3	
90	10	5.0	90	70	1	900	9.2	30.1	
80	10	5.0	90	70	1	900	9.2	30.1	
70	10	4.0	90	70	2	900	9.2	30.1	BOOT SPONGES
60	10	5.0	90	70	2	900	9.2	29.8	CLOUD SPONGES
50	10	5.0	90	70	2	900	9.5	29.4	CLOUD SPONGES
40	10	6.0	90	70	2	900	9.5	29.5	CLOUD SPONGES
30	10	6.0	90	70	2	900	9.8	29.0	
20	10	6.0	90	70	2	900	9.8	29.0	BOOT SPONGES

DIVE NO. 1533, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
144	4	3.0	20	10	1	100	9.2	30.4	
140	10	4.0	40	10	2	100	9.2	30.5	
130	10	4.0	80	20	2	176	9.1	30.5	
120	10	4.0	80	20	2	170	9.1	30.4	
110	10	4.0	70	20	2	190	9.1	30.4	
100	10	4.0	90	70	2	910	9.2	30.3	
90	10	5.0	90	70	1	910	9.2	30.2	
80	10	5.0	90	70	1	910	9.2	30.1	
70	10	4.0	90	70	2	910	9.2	30.1	
60	10	5.0	90	70	2	910	9.2	29.8	
50	10	5.0	90	70	2	910	9.5	29.4	
40	10	6.0	90	70	2	910	9.5	29.5	
30	10	6.0	90	70	2	910	9.8	29.0	
20	10	6.0	90	70	2	910	9.8	29.0	

DIVE NO. 1534, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
159	9	4.0	90	70	1	910	9.2	30.4	
150	10	5.0	90	70	2	910	9.2	30.5	CLOUD SPONGES
140	10	5.0	90	70	2	910	9.2	30.5	CLOUD SPONGES
130	10	4.0	70	10	1	100	9.2	30.5	
120	10	4.0	70	20	2	190	9.2	30.3	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1534, TRANSECT 1, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
110	10	4.0	60	20	2	190	9.2	30.4	
100	10	4.0	70	20	2	190	9.1	30.2	CLOUD SPONGES
90	10	4.0	70	50	2	981	9.2	30.1	CLOUD SPONGES
80	7	4.0	50	60	2	961	9.2	29.8	CLOUD SPONGES
70	2	4.0	40	40	3	810	9.4	29.7	CLOUD SPONGES
68	8	4.0	40	20	2	187	9.3	29.8	CLOUD SPONGES
60	10	4.0	50	40	3	981	9.4	29.6	CLOUD SPONGES
54	4	4.0	40	40	4	816	9.5	29.5	CLOUD SPONGES

DIVE NO. 1534, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
159	9	4.0	90	70	1	910	9.2	30.4	
150	10	5.0	90	70	2	910	9.2	30.5	
140	10	5.0	90	70	2	910	9.2	30.4	
130	7	4.0	70	10	1	190	9.2	30.5	
123	7	4.0	80	70	2	910	9.2	30.2	
116	4	4.0	60	20	1	190	9.2	30.3	
110	10	4.0	60	20	2	190	9.2	30.4	
100	10	4.0	70	20	2	190	9.1	30.2	
90	10	4.0	70	50	2	981	9.2	30.1	
80	7	4.0	50	60	2	981	9.2	30.3	
70	10	4.0	35	40	3	871	9.4	29.8	
60	10	4.0	40	40	4	816	9.5	29.5	CLOUD SPONGES

DIVE NO. 1534, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
146	6	4.0	90	70	2	910	9.3	30.5	CLOUD SPONGES
140	10	4.0	90	70	2	910	9.2	30.3	CLOUD SPONGES
130	10	4.0	75	70	2	910	9.3	30.5	CLOUD SPONGES
120	4	4.0	80	70	2	910	9.2	30.5	CLOUD SPONGES
116	6	4.0	40	10	1	100	9.2	30.7	
110	10	4.0	65	20	2	190	9.3	30.3	CLOUD SPONGES
100	10	4.0	40	20	2	190	9.3	30.3	CLOUD SPONGES
90	5	4.0	40	20	2	190	9.3	30.6	
85	5	4.0	30	40	3	879	9.2	30.3	CLOUD SPONGES
80	3	4.0	30	40	3	761	9.2	30.1	CLOUD SPONGES
77	2	4.0	30	20	1	190	9.2	30.2	
75	3	4.0	40	30	2	671	9.3	30.1	
72	2	4.0	40	40	3	871	9.3	30.1	CLOUD SPONGES
70	2	4.0	40	40	3	871	9.3	30.0	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1534, TRANSECT 2, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
68	8	4.0	30	20	2	178	9.2	30.2	CLOUD SPONGES
60	6	4.0	50	40	3	879	9.5	29.5	CLOUD SPONGES
54	1	4.0	20	40	4	879	9.6	29.4	CLOUD SPONGES

DIVE NO. 1534, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
146	6	4.0	90	70	2	910	9.3	30.5	
140	10	4.0	90	70	2	910	9.3	30.4	
130	10	4.0	75	70	2	910	9.3	30.5	
120	10	4.0	80	20	2	190	9.2	30.5	
110	10	4.0	65	20	2	189	9.3	30.3	
100	10	4.0	40	20	2	189	9.3	30.3	
90	7	4.0	40	20	2	190	9.3	30.6	
83	3	4.0	30	40	3	981	9.2	30.4	
80	10	4.0	35	30	2	816	9.2	30.1	
70	10	4.0	30	20	2	178	9.3	30.0	
60	5	4.0	30	40	3	879	9.2	30.2	CLOUD SPONGES
54	2	4.0	20	40	4	879	9.5	29.5	

DIVE NO. 1534, TRANSECT 3, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
140	10	4.0	90	70	2	910	9.3	30.5	CLOUD SPONGES
130	10	4.0	70	70	2	910	9.2	30.7	CLOUD SPONGES
120	10	4.0	80	20	2	190	9.3	30.5	CLOUD SPONGES
110	10	4.0	70	20	2	190	9.2	30.6	
100	10	4.0	30	20	2	190	9.3	30.3	CLOUD SPONGES
90	5	4.0	70	20	2	190	9.2	30.3	CLOUD SPONGES
80	10	4.0	45	40	3	981	9.3	30.2	CLOUD SPONGES
70	10	4.0	40	40	3	918	9.2	30.0	CLOUD SPONGES
60	6	4.0	30	40	4	891	9.3	29.9	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1534, TRANSECT 3, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
140	10	4.0	90	70	2	910	9.3	30.5	
130	10	4.0	70	70	2	910	9.2	30.7	
120	1	4.0	70	70	2	910	9.3	30.5	
119	9	4.0	70	10	2	100	9.2	30.3	
110	10	4.0	70	20	2	190	9.2	30.6	
100	10	4.0	70	20	2	190	9.3	30.3	
90	10	4.0	40	40	3	918	9.2	30.3	
80	10	4.0	45	40	3	981	9.3	30.2	
70	10	4.0	40	40	3	918	9.2	30.0	
60	6	4.0	30	40	4	891	9.3	29.9	

DIVE NO. 1535, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
200	10	4.0	20	10	1	100	9.2	30.9	
190	10	4.0	40	10	1	100	9.2	30.7	
180	10	4.0	60	10	1	100	9.3	30.5	
170	10	4.0	80	10	3	100	9.2	30.6	CLOUD SPONGES
160	5	4.0	80	10	2	100	9.2	30.6	CLOUD SPONGES
152	2	3.0	90	70	2	900	9.3	30.6	
150	10	3.0	85	70	2	900	9.3	30.6	CLOUD SPONGES
140	10	4.0	85	70	2	900	9.2	30.6	CLOUD SPONGES
130	10	4.0	85	70	3	900	9.3	30.5	CLOUD SPONGES
120	10	4.0	85	70	3	900	9.3	30.5	CLOUD SPONGES
110	10	4.0	85	70	3	900	9.2	30.4	CLOUD SPONGES
100	10	4.0	85	70	3	900	9.3	30.3	CLOUD SPONGES
90	10	4.0	90	70	3	900	9.5	30.1	CLOUD SPONGES
80	10	4.0	90	70	4	900	9.5	29.9	CLOUD SPONGES
70	10	4.0	90	70	4	900	9.6	29.9	CLOUD SPONGES
60	10	4.0	85	70	4	900	9.5	30.0	CLOUD SPONGES
50	10	4.0	85	70	4	900	9.5	29.7	CLOUD SPONGES
40	4	4.0	80	70	3	910	9.8	29.3	
36	6	4.0	60	30	3	618	9.9	29.3	CLOUD SPONGES
30	8	4.0	60	30	2	691	10.3	28.9	

Table 4 (cont'd)

DIVE NO. 1535, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
202	2	4.0	20	10	1	100	9.2	30.7	
200	10	4.0	20	10	1	100	9.2	30.7	
190	10	4.0	40	10	1	100	9.2	30.7	
180	10	4.0	60	10	1	100	9.3	30.5	
170	10	4.0	80	10	2	100	9.2	30.6	
160	5	4.0	80	10	2	100	9.2	30.6	
155	5	3.0	90	70	2	900	9.3	30.5	
150	10	3.0	85	70	2	900	9.3	30.6	
140	10	4.0	85	70	2	900	9.2	30.6	
130	10	4.0	85	70	3	910	9.2	30.5	
120	10	4.0	85	70	3	900	9.3	30.5	
110	10	4.0	85	70	3	900	9.2	30.4	
100	10	4.0	85	70	3	900	9.4	30.2	
90	10	4.0	90	70	3	910	9.5	30.1	
80	10	4.0	90	70	4	900	9.5	29.9	
70	10	4.0	90	70	4	910	9.6	29.9	
60	10	4.0	85	70	4	900	9.5	30.0	
50	10	4.0	85	70	4	910	9.5	29.7	
40	10	4.0	80	70	4	910	9.8	29.3	
30	8	4.0	60	30	2	691	10.3	29.0	

DIVE NO. 1535, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
150	10	4.0	70	10	2	100	9.3	30.6	CLOUD SPONGES
140	2	4.0	70	10	3	100	9.2	30.6	CLOUD SPONGES
138	8	4.0	90	70	1	900	9.3	30.6	
130	10	4.0	90	70	1	900	9.3	30.5	
120	10	4.0	90	70	2	910	9.3	30.5	CLOUD SPONGES
110	10	4.0	90	70	2	900	9.2	30.4	CLOUD SPONGES
100	10	4.0	90	70	3	900	9.4	30.2	CLOUD SPONGES
90	10	4.0	90	70	3	900	9.5	30.1	CLOUD SPONGES
80	10	4.0	90	70	4	900	9.5	29.9	CLOUD SPONGES
70	10	4.0	90	70	4	900	9.6	29.9	CLOUD SPONGES
60	10	4.0	90	70	4	900	9.5	30.0	
50	10	4.0	90	70	4	900	9.5	29.7	CLOUD SPONGES
40	10	4.0	85	70	4	900	9.8	29.3	CLOUD SPONGES
30	6	5.0	85	70	4	900	10.3	29.0	CLOUD SPONGES
24	4	3.0	35	40	3	689	12.3	27.4	BOOT SPONGES
20	5	3.0	90	70	3	900	12.5	27.1	BOOT SPONGES

Table 4 (cont'd)

DIVE NO. 1535, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
150	10	4.0	70	10	2	100	9.3	30.6	
140	10	4.0	70	10	3	100	9.2	30.6	
130	10	4.0	90	70	1	900	9.2	30.5	
120	10	4.0	90	70	2	900	9.3	30.5	
110	10	4.0	90	70	2	900	9.2	30.4	
100	10	4.0	90	70	3	900	9.4	30.2	
90	10	4.0	90	70	3	910	9.5	30.1	
80	10	4.0	90	70	4	910	9.5	29.9	
70	10	4.0	90	70	4	910	9.6	29.9	
60	10	4.0	90	70	4	900	9.6	29.7	
50	10	4.0	90	70	4	900	9.5	29.7	
40	10	4.0	85	70	4	900	9.8	29.3	
30	10	5.0	85	70	4	900	10.3	29.0	
20	5	3.0	70	70	3	890	12.5	27.1	

DIVE NO. 1536, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
40	10	4.0	30	30	2	761	10.1	28.9	
30	10	3.0	30	30	2	761	10.7	28.3	BOOT SPONGES
20	5	3.0	30	30	3	781	12.0	27.5	
10	3	3.0	20	30	3	781	12.5	27.1	

DIVE NO. 1536, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
40	10	4.0	30	30	2	761	10.1	28.9	
30	10	3.0	30	30	2	761	10.7	28.3	
20	5	3.0	30	30	3	761	12.0	27.5	
10	3	3.0	20	30	3	761	12.5	27.1	

DIVE NO. 1537, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
146	4	5.0	30	20	2	180	9.2	30.7	
194	4	3.5	50	20	2	197	9.2	30.9	CLOUD SPONGES
190	10	4.0	70	20	2	190	9.2	30.9	CLOUD SPONGES
180	10	4.0	70	20	2	150	9.2	30.8	

Table 4 (cont'd)

DIVE NO. 1537, TRANSECT 1, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
170	10	4.0	70	20	1	150	9.1	30.8	
160	10	4.0	70	20	1	196	9.2	30.8	
150	6	4.0	70	20	1	196	9.2	30.7	
144	4	4.0	80	50	2	910	9.2	30.6	
140	10	4.0	80	50	2	910	9.2	30.6	
130	5	4.0	80	50	2	910	9.2	30.6	CLOUD SPONGES
125	5	4.0	75	20	1	190	9.2	30.5	
120	10	4.0	75	10	1	100	9.2	30.5	
110	4	4.0	75	20	1	170	9.2	30.3	
106	6	4.0	90	70	2	910	9.3	30.1	CLOUD SPONGES
100	10	4.0	75	70	2	910	9.2	30.0	CLOUD SPONGES
90	10	4.0	80	70	2	910	9.2	30.0	CLOUD SPONGES
80	10	4.0	75	70	1	910	9.2	30.0	
70	4	4.0	75	70	1	910	9.3	29.9	
66	6	4.0	75	20	1	160	9.3	29.9	
60	10	4.0	70	20	2	190	9.4	29.9	CLOUD SPONGES
50	10	4.0	70	50	2	916	9.7	29.6	BOOT SPONGES
40	10	4.0	75	50	2	910	10.4	29.0	
30	10	5.0	50	40	3	918	11.7	27.7	BOOT SPONGES
20	6	5.0	40	60	2	910	12.3	27.2	BOOT SPONGES

DIVE NO. 1537, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
145	3	5.0	30	20	2	187	9.2	30.7	
194	4	3.5	70	20	2	197	9.2	30.9	
190	10	4.0	70	20	2	197	9.1	30.8	
180	10	4.0	70	20	2	150	9.2	30.8	
170	10	4.0	70	20	2	150	9.2	30.8	
160	10	4.0	75	20	1	197	9.2	30.8	
150	10	4.0	80	20	1	198	9.2	30.7	
140	10	4.0	80	20	1	190	9.2	30.6	
130	10	4.0	75	20	1	190	9.2	30.6	
120	10	4.0	75	10	1	100	9.2	30.5	
110	10	4.0	75	20	1	100	9.2	30.3	
100	10	4.0	85	20	1	190	9.2	30.0	
90	10	4.0	85	70	2	910	9.2	30.0	
80	10	4.0	80	70	1	910	9.2	30.0	
70	10	4.0	75	70	1	910	9.3	29.9	
60	10	4.0	70	20	1	180	9.4	29.9	
50	10	4.0	75	20	2	190	9.7	29.6	
40	10	4.0	75	20	2	190	10.4	29.0	
30	10	5.0	60	40	3	870	11.7	27.7	
20	6	5.0	30	60	2	910	12.3	27.2	

Table 4 (cont'd)

DIVE NO. 1538, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
167	16	2.5	25	20	1	100	9.2	30.7	
160	16	2.5	40	20	1	180	9.2	30.7	
154	4	3.0	30	20	2	187	9.2	30.6	CLOUD SPONGES
150	12	3.0	30	20	2	198	9.2	30.6	CLOUD SPONGES
140	10	3.0	35	20	2	190	9.2	30.5	CLOUD SPONGES
130	10	3.0	20	10	1	100	9.2	30.5	
120	10	3.5	30	10	2	100	9.3	30.4	CLOUD SPONGES
120	10	2.0	20	20	1	169	9.3	30.4	
123	6	3.0	30	20	1	170	9.2	30.5	
120	13	3.0	30	20	2	190	9.3	30.4	
110	7	3.0	30	20	2	195	9.3	30.3	CLOUD SPONGES
110	10	3.0	60	50	2	910	9.3	30.3	CLOUD SPONGES
100	10	3.0	60	20	2	190	9.3	30.1	CLOUD SPONGES
90	10	3.0	70	20	2	190	9.6	29.8	CLOUD SPONGES
80	10	3.0	80	50	2	910	9.5	30.0	CLOUD SPONGES
70	10	3.0	60	10	1	100	9.6	29.8	
60	10	3.0	20	10	1	100	9.8	29.6	
50	10	3.0	40	20	2	190	9.9	29.5	
40	10	3.0	80	50	2	910	9.9	29.5	BOOT SPONGES
30	5	3.0	80	50	3	910	10.1	29.3	

DIVE NO. 1538, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
167	16	2.5	25	20	1	195	9.2	30.7	
160	16	2.5	40	20	1	196	9.2	30.7	
157	4	3.0	30	20	2	170	9.2	30.6	
150	12	3.0	30	20	2	197	9.2	30.6	
140	10	3.0	35	20	2	190	9.2	30.5	
130	10	3.0	30	10	1	100	9.2	30.5	
120	39	3.0	35	20	2	198	9.3	30.4	
110	7	3.0	30	20	2	197	9.3	30.3	
110	10	3.0	60	50	2	910	9.3	30.3	
100	10	3.0	60	20	2	190	9.3	30.1	
90	10	3.0	70	20	2	190	9.6	29.8	
80	10	3.0	80	50	3	910	9.5	30.0	
70	8	3.0	30	20	3	190	9.6	29.8	

Table 4 (cont'd)

DIVE NO. 1539, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
156	6	5.0	70	70	1	910	9.2	30.6	
150	10	5.0	40	60	1	910	9.2	30.6	
140	10	5.0	70	20	2	190	9.2	30.5	CLOUD SPONGES
130	4	5.0	70	10	2	100	9.2	30.5	CLOUD SPONGES
126	6	5.0	85	70	2	910	9.2	30.4	CLOUD SPONGES
120	10	5.0	85	70	2	910	9.2	30.3	CLOUD SPONGES
110	10	5.0	70	70	2	910	9.2	30.3	CLOUD SPONGES
100	10	5.0	75	70	2	910	9.2	30.2	CLOUD SPONGES
90	10	5.0	85	70	2	900	9.1	30.0	CLOUD SPONGES
80	10	5.0	70	70	2	910	9.2	29.9	CLOUD SPONGES
70	10	5.0	85	70	2	900	9.4	29.8	CLOUD SPONGES
60	10	5.0	85	70	2	900	9.4	29.7	CLOUD SPONGES
50	10	5.0	55	20	1	190	9.7	29.4	
40	10	5.0	70	20	1	190	9.9	29.3	
30	10	5.0	70	70	2	900	10.6	29.4	BOOT SPONGES
20	5	5.0	70	70	2	900	12.6	26.1	

DIVE NO. 1539, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
156	6	5.0	70	70	1	910	9.2	30.6	
150	10	5.0	40	20	1	190	9.2	30.6	
140	10	5.0	70	70	2	910	9.2	30.5	
130	4	5.0	70	10	2	190	9.2	30.5	
126	6	5.0	85	70	2	910	9.2	30.4	
120	10	5.0	85	70	2	910	9.2	30.3	
110	10	5.0	75	70	2	910	9.2	30.3	
100	10	5.0	80	70	2	910	9.2	30.2	
90	10	5.0	80	70	2	910	9.1	30.0	
80	10	5.0	80	70	2	910	9.2	29.9	
70	10	5.0	85	70	2	910	9.4	29.8	
60	10	5.0	85	70	2	910	9.4	29.7	
50	10	5.0	70	20	1	190	9.7	29.4	
40	10	5.0	70	70	1	910	9.9	29.3	
30	5	5.0	70	70	2	910	10.6	28.4	
25	5	5.0	40	40	3	987	10.6	28.5	
20	4	5.0	40	60	1	900	12.6	26.1	

Table 4 (cont'd)

DIVE NO. 1539, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
148	15	4.0	80	70	2	900	9.2	30.6	BOOT SPONGES
140	10	4.0	80	70	2	900	9.2	30.5	
130	10	5.0	90	70	2	900	9.2	30.4	
120	10	5.0	90	70	2	900	9.2	30.4	CLOUD SPONGES
110	10	5.0	90	70	2	910	9.2	30.2	
100	10	5.0	80	70	1	910	9.2	30.2	
90	10	5.0	90	70	3	900	9.1	30.0	CLOUD SPONGES
80	10	5.0	90	70	2	910	9.2	30.0	CLOUD SPONGES
70	10	5.0	90	70	2	910	9.3	29.8	CLOUD SPONGES
60	10	4.0	70	70	1	900	9.4	29.7	
50	10	4.0	60	70	2	910	9.7	29.5	BOOT SPONGES
40	10	4.0	40	20	1	190	10.0	29.3	
30	10	4.0	30	20	1	190	10.5	28.7	
20	8	5.0	30	60	2	917	12.1	26.8	

DIVE NO. 1539, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
148	15	4.5	85	70	2	910	9.2	30.6	
140	10	5.0	85	70	2	910	9.2	30.5	
130	10	5.0	90	70	2	910	9.2	30.4	
120	10	5.0	30	20	2	190	9.2	30.4	
110	10	5.0	90	70	2	910	9.2	30.2	
100	10	5.0	85	70	1	910	9.2	30.2	
90	10	4.0	85	70	3	910	9.1	30.0	
80	10	4.0	90	70	2	910	9.2	30.0	
70	10	4.0	80	70	2	910	9.3	29.8	
60	10	4.0	70	70	1	910	9.4	29.7	
50	10	4.0	75	70	2	910	9.7	29.5	
40	10	4.0	40	60	1	910	10.0	29.3	
30	7	4.0	55	60	1	910	10.5	28.7	
23	3	4.0	50	60	2	910	12.1	26.8	
20	6	5.0	50	60	2	910	12.1	26.8	

DIVE NO. 1578, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
158	8	4.0	70	10	1	100	9.7	30.5	
150	10	4.0	80	50	2	900	9.6	30.5	
140	3	4.0	80	10	1	100	9.7	30.5	
137	3	4.0	90	50	2	900	9.8	30.5	

Table 4 (cont'd)

DIVE NO. 1578, TRANSECT 1, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
134	4	4.0	70	10	1	100	9.8	30.4	
130	6	4.0	70	10	1	100	9.8	30.4	
124	4	4.0	70	20	2	160	9.8	30.4	CLOUD SPONGES
120	10	4.0	70	20	2	160	9.8	30.4	
110	2	4.0	80	20	1	160	9.8	30.3	
108	8	4.0	85	50	2	900	9.8	30.3	
100	10	4.0	85	50	2	910	9.8	30.2	
90	10	4.0	70	20	1	196	9.8	30.2	
80	5	4.0	70	20	1	160	9.8	30.1	
75	5	4.0	70	70	2	900	9.8	30.1	
70	10	4.0	80	70	2	900	9.8	30.0	CLOUD SPONGES
60	10	4.0	70	70	2	910	9.7	29.9	CLOUD SPONGES
50	10	5.0	70	70	2	960	9.7	29.2	BOOT SPONGES
40	7	3.0	70	40	3	971	9.3	28.2	

DIVE NO. 1578, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
153	3	4.0	75	10	1	100	9.3	30.5	
150	10	4.0	75	50	2	910	9.6	30.5	
140	10	4.0	75	50	2	910	9.7	30.5	
130	10	4.0	70	20	1	160	9.8	30.4	
120	7	4.0	70	10	2	100	9.8	30.4	CLOUD SPONGES
113	3	3.5	80	70	2	900	9.8	30.4	CLOUD SPONGES
110	10	3.5	80	70	2	910	9.8	30.3	
100	10	3.5	80	70	2	910	9.8	30.2	CLOUD SPONGES
90	10	3.5	75	70	2	910	9.8	30.2	
80	10	3.5	75	10	1	100	9.8	30.1	
70	5	3.5	75	10	1	100	9.8	30.0	
65	5	3.5	90	70	2	900	9.8	29.9	CURRENT
60	10	3.5	90	70	2	900	9.7	29.9	CLOUD SPONGES
50	10	3.5	90	70	2	900	9.7	29.2	BOOT SPONGES
40	10	4.0	70	70	3	910	9.3	28.2	BOOT SPONGES
30	3	4.0	70	70	3	910	8.8	27.4	BOOT SPONGES

DIVE NO. 1579, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
150	10	3.0	85	70	2	900	9.5	30.4	BOOT SPONGES
140	10	4.0	85	70	2	900	9.5	30.3	CLOUD SPONGES
130	10	4.0	90	70	2	900	9.5	30.3	CLOUD SPONGES
120	10	4.0	90	70	2	900	9.6	30.3	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1579, TRANSECT 1, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
110	7	4.0	90	70	3	900	9.6	30.2	CLOUD SPONGES
103	3	4.0	85	70	2	900	9.6	30.1	
100	10	4.0	90	70	2	900	9.6	30.1	
90	10	4.0	90	70	3	900	9.6	30.0	CLOUD SPONGES
80	10	4.0	90	70	3	900	9.6	30.0	CLOUD SPONGES
70	6	4.0	80	70	3	910	9.5	29.9	CLOUD SPONGES
64	4	4.0	85	70	2	910	9.5	29.9	
60	3	4.0	90	70	3	900	9.6	29.9	CLOUD SPONGES
57	7	4.0	80	70	2	900	9.6	29.8	
50	10	4.0	90	70	3	900	9.7	29.7	CLOUD SPONGES
40	10	4.0	85	70	3	900	9.5	28.4	CURRENT
30	7	4.0	70	40	3	917	9.3	27.6	

DIVE NO. 1579, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
148	8	4.0	80	70	2	910	9.5	30.4	BOOT SPONGES
140	10	4.0	80	70	2	917	9.5	30.3	
130	10	4.0	85	70	2	910	9.5	30.3	
120	10	4.0	80	70	2	910	9.6	30.3	
110	5	4.0	85	70	2	910	9.6	30.2	
107	5	4.0	80	40	3	917	9.6	30.1	
100	6	4.0	90	70	3	910	9.6	30.1	CLOUD SPONGES
94	4	4.0	90	70	2	900	9.6	30.0	
90	10	4.0	90	70	3	900	9.6	30.0	CLOUD SPONGES
80	10	3.5	85	70	3	900	9.6	30.0	CLOUD SPONGES
70	10	3.5	85	70	3	916	9.5	29.9	CLOUD SPONGES
60	10	3.5	80	70	3	917	9.6	29.9	CLOUD SPONGES
50	10	4.0	90	70	3	900	9.7	29.7	CLOUD SPONGES
40	10	4.0	90	70	3	900	9.5	28.4	CLOUD SPONGES

DIVE NO. 1579, TRANSECT 3, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
149	5	4.0	70	20	1	170	9.5	30.4	
144	4	4.0	85	70	2	900	9.5	30.4	
140	10	4.0	80	70	2	910	9.5	30.3	
130	10	4.0	80	70	2	917	9.5	30.3	BOOT SPONGES
120	10	4.0	90	70	2	910	9.6	30.3	
110	10	4.0	85	70	2	910	9.6	30.2	
100	10	4.0	85	70	2	900	9.6	30.1	
90	8	4.0	90	70	2	900	9.6	30.0	

Table 4 (cont'd)

DIVE NO. 1579, TRANSECT 3, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
82	2	4.0	90	70	3	900	9.6	30.0	CLOUD SPONGES
80	10	4.0	90	70	3	900	9.6	30.0	CLOUD SPONGES
70	10	4.0	80	70	3	900	9.5	29.9	CLOUD SPONGES
60	10	4.0	90	70	3	900	9.6	29.9	CLOUD SPONGES
50	10	4.0	80	70	3	917	9.7	29.7	CLOUD SPONGES
40	10	4.0	80	70	3	970	9.5	28.4	CLOUD SPONGES
30	5	5.0	70	40	4	972	9.3	27.6	CLOUD SPONGES
25	5	5.0	70	70	3	900	9.1	27.2	

DIVE NO. 1580, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
154	8	4.0	10	10	1	100	9.7	30.6	
150	10	4.0	8	10	1	100	9.8	30.6	
140	10	4.0	10	10	1	100	9.8	30.5	
130	4	4.0	40	10	1	100	9.8	30.5	
126	6	4.0	60	10	2	100	9.8	30.4	CLOUD SPONGES
120	6	4.0	60	10	3	100	9.8	30.4	CLOUD SPONGES
114	4	4.0	90	70	2	900	9.8	30.4	
110	10	4.0	90	70	2	900	9.8	30.3	
100	10	4.0	90	70	2	900	9.8	30.3	
90	10	4.0	90	70	2	900	9.8	30.0	
80	10	4.0	90	70	2	900	9.7	29.9	CLOUD SPONGES
70	10	4.0	80	70	3	900	9.7	29.7	CLOUD SPONGES
60	5	4.0	80	70	2	900	9.7	29.5	CLOUD SPONGES
55	5	4.0	75	70	1	900	9.7	29.7	
50	10	4.0	60	40	3	971	9.6	29.0	CLOUD SPONGES
40	4	4.0	30	40	3	791	8.9	27.6	CLOUD SPONGES

DIVE NO. 1580, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
154	8	4.0	10	10	1	100	9.7	30.6	
150	10	4.0	8	10	1	100	9.8	30.6	
140	10	4.0	10	10	1	100	9.8	30.5	
130	4	4.0	40	10	1	100	9.8	30.5	
126	6	4.0	60	10	2	100	9.8	30.4	CLOUD SPONGES
120	5	4.0	60	10	3	100	9.8	30.4	CLOUD SPONGES
115	5	4.0	85	70	2	910	9.8	30.4	
110	10	4.0	90	70	2	910	9.8	30.3	
100	7	4.0	90	70	2	910	9.8	30.3	
90	10	4.0	90	70	2	910	9.8	30.0	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1580, TRANSECT 1, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
80	10	4.0	90	70	2	910	9.7	29.9	CLOUD SPONGES
70	10	4.0	90	70	3	910	9.7	29.7	CLOUD SPONGES
60	5	4.0	85	70	2	910	9.7	29.5	CLOUD SPONGES
55	5	4.0	75	70	1	910	9.7	29.7	
50	10	4.0	60	40	3	971	9.6	29.0	CLOUD SPONGES
40	4	4.0	30	40	3	791	8.9	27.6	CLOUD SPONGES
36	4	4.0	10	40	3	791	8.8	27.5	CLOUD SPONGES

DIVE NO. 1580, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
103	3	4.0	50	20	2	190	9.9	30.3	
100	10	4.0	90	70	2	900	9.8	30.3	
90	10	4.0	90	70	2	900	9.8	30.0	
80	10	4.0	90	70	3	900	9.7	29.9	CLOUD SPONGES
70	3	4.0	70	70	1	900	9.7	29.7	
67	3	4.0	30	60	3	970	9.7	29.7	
64	4	3.0	30	10	1	100	9.7	29.7	
60	4	4.0	30	20	2	168	9.7	29.7	
57	6	4.0	30	40	3	781	9.7	29.7	
60	3	4.0	20	10	2	100	9.7	29.7	CLOUD SPONGES
57	7	4.0	70	50	2	910	9.7	29.7	CLOUD SPONGES
50	7	4.0	70	50	2	910	9.6	29.1	
43	3	4.0	70	10	2	100	8.8	27.7	CLOUD SPONGES
40	4	4.0	70	20	2	159	8.8	27.6	
36	6	5.0	60	50	2	910	8.8	27.5	
30	2	5.0	70	50	2	900	8.8	27.5	
28	3	5.0	40	20	2	196	8.7	27.5	
25	5	5.0	30	60	2	971	8.7	27.4	
20	5	5.0	40	40	2	970	8.6	27.3	
15	1	5.0	40	40	3	700	8.6	27.3	

DIVE NO. 1580, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
103	3	4.0	90	70	2	900	9.9	30.3	
100	10	4.0	90	70	2	900	9.8	30.3	
90	10	4.0	90	70	2	900	9.8	30.0	CLOUD SPONGES
80	10	4.0	85	70	3	900	9.7	29.9	CLOUD SPONGES
70	4	4.0	70	70	1	900	9.7	29.7	
66	3	4.0	30	60	3	910	9.7	29.7	CLOUD SPONGES
63	3	3.0	30	10	1	100	9.7	29.7	

Table 4 (cont'd)

DIVE NO. 1580, TRANSECT 2, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
60	4	4.0	30	20	2	168	9.7	29.7	
57	6	4.0	30	40	3	781	9.7	29.7	
60	3	4.0	15	20	2	190	9.7	29.7	
57	7	4.0	70	70	2	910	9.7	29.7	CLOUD SPONGES
50	10	4.0	70	70	2	910	9.6	29.1	
40	10	4.0	80	70	2	910	8.8	27.6	
30	2	5.0	75	70	2	913	8.8	27.5	
28	8	5.0	40	60	2	971	8.7	27.5	
20	4	5.0	40	40	2	970	8.6	27.3	

DIVE NO. 1581, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
130	10	4.0	30	20	1	165	9.7	30.4	
120	10	4.0	30	20	1	165	9.8	30.3	
110	10	4.0	30	20	1	165	9.8	30.1	
100	10	4.0	30	20	1	165	9.8	30.1	
90	10	4.0	35	20	2	165	9.8	30.0	CLOUD SPONGES
80	10	4.0	30	20	1	150	9.7	29.8	
70	2	4.0	10	20	1	167	9.7	29.7	
68	8	4.0	10	20	2	167	9.6	29.7	
60	5	4.0	30	20	1	167	9.5	29.5	
55	5	4.0	25	20	1	134	9.3	29.0	
50	10	4.0	30	20	1	134	9.2	28.8	
40	10	4.0	40	20	2	173	9.0	28.3	
30	10	5.0	40	40	4	871	9.0	28.2	
20	5	5.0	40	40	3	781	8.9	27.9	

DIVE NO. 1581, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
130	10	4.0	30	20	1	156	9.7	30.4	
120	10	4.0	30	20	1	165	9.8	30.3	
110	10	4.0	30	20	1	165	9.8	30.1	
100	10	4.0	30	20	1	165	9.8	30.1	
90	10	4.0	35	20	1	165	9.8	30.0	
80	10	4.0	30	20	2	156	9.7	29.8	CLOUD SPONGES
70	6	4.0	10	20	1	167	9.7	29.7	
64	4	4.0	10	20	2	167	9.6	29.5	
60	5	4.0	20	20	1	167	9.5	29.5	
55	5	4.0	25	20	1	134	9.3	29.0	
50	10	4.0	30	20	1	134	9.2	28.8	

Table 4 (cont'd)

DIVE NO. 1581, TRANSECT 1, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
40	10	4.0	40	20	1	173	9.0	28.3	
30	10	5.0	50	40	4	871	9.0	28.2	
20	5	5.0	40	40	3	781	8.9	27.9	

DIVE NO. 1581, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
99	9	4.0	30	20	1	165	9.8	30.1	
90	10	4.0	30	20	1	165	9.8	30.0	
80	10	4.0	30	20	2	176	9.7	29.8	
70	10	4.0	30	20	2	176	9.7	29.7	
60	7	4.0	30	20	1	150	9.5	29.5	
53	3	4.0	30	20	1	134	9.3	29.1	
50	5	4.0	30	20	2	178	9.3	28.9	
45	5	4.0	30	20	1	135	9.2	28.7	
40	10	4.0	40	10	1	130	9.0	28.3	
30	10	5.0	40	40	4	781	9.0	28.2	

DIVE NO. 1581, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
99	9	4.0	30	20	1	165	9.8	30.1	
90	10	4.0	30	20	1	165	9.8	30.0	
80	10	4.0	30	20	1	176	9.7	29.8	
70	7	4.0	30	20	2	176	9.7	29.7	CLOUD SPONGES
60	7	4.0	30	20	1	170	9.5	29.5	
53	3	4.0	30	20	1	134	9.3	29.1	
50	4	4.0	30	20	2	178	9.3	28.9	
46	6	4.0	30	20	1	135	9.2	28.7	
40	7	4.0	40	10	1	130	9.0	28.3	
33	3	5.0	50	40	4	781	9.0	28.3	
30	10	5.0	50	40	4	781	9.0	28.2	
20	3	5.0	40	40	3	781	8.9	27.9	

Table 4 (cont'd)

DIVE NO. 1582, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
173	3	4.0	30	60	2	916	9.8	30.5	
170	7	4.0	80	50	2	918	9.8	30.5	
169	1	3.0	30	20	1	190	9.8	30.5	
170	1	3.0	30	60	2	916	9.8	30.5	
180	1	3.5	30	20	1	150	9.7	30.6	
185	5	3.5	30	20	2	176	9.7	30.6	
186	1	3.5	30	20	1	146	9.7	30.6	
188	2	3.5	30	20	2	160	9.7	30.6	
187	5	4.0	75	50	2	917	9.7	30.6	
186	6	4.0	40	20	2	160	9.7	30.6	
180	5	4.0	40	30	1	418	9.7	30.6	
175	5	4.0	35	30	2	675	9.8	30.5	
170	10	4.0	50	30	2	765	9.8	30.4	
160	10	4.0	50	30	2	765	9.8	30.4	
150	10	4.0	50	60	2	917	9.8	30.4	
140	10	4.0	50	20	2	176	9.8	30.3	
130	10	4.0	40	20	2	175	9.8	30.2	
120	10	4.0	50	60	2	900	9.8	30.2	
110	10	4.0	90	70	2	900	9.8	30.1	CLOUD SPONGES
100	3	4.0	70	70	1	900	9.8	30.1	
97	7	4.0	90	70	2	900	9.8	30.1	CURRENT
90	10	4.0	90	70	2	900	9.8	30.1	CURRENT
80	10	3.0	90	70	2	987	9.8	29.9	CLOUD SPONGES
70	10	4.0	60	70	2	970	9.7	29.8	CLOUD SPONGES
60	3	4.0	60	40	3	789	9.7	29.7	
57	3	4.0	90	70	2	900	9.5	29.3	CLOUD SPONGES
50	10	4.0	80	70	2	910	9.5	29.4	CLOUD SPONGES
40	6	4.0	70	70	2	900	9.2	28.5	
34	4	5.0	70	70	1	900	9.0	28.3	
30	4	5.0	70	70	1	900	9.0	28.3	CURRENT
26	6	8.0	30	60	1	900	9.0	28.2	

DIVE NO. 1582, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
173	3	4.0	30	60	2	916	9.8	30.5	
170	7	4.0	80	50	2	918	9.8	30.5	
169	1	3.0	30	20	1	190	9.8	30.5	
170	1	3.0	30	60	2	916	9.8	30.5	
180	1	3.5	30	20	1	150	9.7	30.6	
186	6	3.5	30	20	2	176	9.7	30.6	
188	2	3.5	30	20	2	160	9.7	30.6	
187	5	4.0	75	50	2	917	9.7	30.6	
186	5	4.0	40	20	2	169	9.7	30.6	CLOUD SPONGES

Table 4 (cont'd)

DIVE NO. 1582, TRANSECT 1, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
180	7	4.0	30	30	1	418	9.7	30.6	
173	3	4.0	50	30	2	671	9.8	30.5	
170	10	4.0	55	30	2	765	9.8	30.4	
160	10	4.0	50	30	2	765	9.8	30.4	
150	10	4.0	60	50	2	917	9.8	30.4	
140	2	4.0	60	50	2	976	9.8	30.3	
138	8	4.0	50	20	2	176	9.8	30.3	
130	10	4.0	50	20	2	176	9.8	30.2	
120	5	4.0	50	20	2	126	9.8	30.2	
115	5	4.0	75	70	2	910	9.8	30.1	CLOUD SPONGES
110	4	4.0	70	70	1	910	9.8	30.1	
106	6	4.0	90	70	2	900	9.8	30.1	CLOUD SPONGES
100	2	4.0	70	70	1	910	9.8	30.1	
98	8	4.0	90	70	2	910	9.8	30.1	CURRENT
90	10	4.0	90	70	2	910	9.8	30.1	CLOUD SPONGES
80	10	4.0	80	70	2	987	9.8	29.9	
70	10	4.0	70	70	2	971	9.7	29.8	CLOUD SPONGES
60	5	4.0	60	40	3	789	9.7	29.7	
55	5	4.0	90	70	2	910	9.5	29.3	CLOUD SPONGES
50	10	4.0	80	70	2	910	9.5	29.4	
40	10	4.0	70	70	1	910	9.2	28.5	
30	8	6.0	30	60	1	910	9.0	28.3	

DIVE NO. 1582, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
155	5	4.0	80	70	2	910	9.8	30.4	
150	10	4.0	80	70	2	900	9.8	30.4	
140	10	4.0	80	70	2	900	9.8	30.3	
130	10	4.0	80	70	1	900	9.8	30.2	
120	7	4.0	70	70	1	971	9.8	30.2	
113	3	4.0	70	70	2	971	9.8	30.1	
110	5	4.0	70	70	2	971	9.8	30.1	
105	5	4.0	70	30	2	715	9.8	30.1	
100	5	4.0	50	30	2	761	9.8	30.1	
95	5	4.0	80	70	2	900	9.8	30.1	CLOUD SPONGES
90	10	4.0	90	70	3	900	9.8	30.1	CLOUD SPONGES
80	10	4.0	70	70	3	900	9.7	29.8	CLOUD SPONGES
70	7	4.0	80	70	2	900	9.6	29.6	CLOUD SPONGES
63	3	4.5	60	40	3	751	9.6	29.6	
60	10	4.5	75	70	2	970	9.6	29.6	CLOUD SPONGES
50	10	4.0	90	70	2	900	9.5	29.4	CLOUD SPONGES
40	3	5.0	60	70	1	900	9.2	28.6	
37	2	5.0	60	40	3	789	9.1	28.4	
35	5	5.0	60	70	2	910	9.0	28.4	

Table 4 (cont'd)

DIVE NO. 1582, TRANSECT 2, PORT (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
30	5	5.0	60	70	2	900	9.0	28.3	
25	5	8.0	70	70	2	900	9.0	28.1	

DIVE NO. 1582, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
155	5	4.0	80	70	2	910	9.8	30.4	
150	10	4.0	80	70	2	910	9.8	30.4	
140	10	4.0	80	70	2	910	9.8	30.3	CLOUD SPONGES
130	10	4.0	80	70	1	910	9.8	30.2	
120	10	4.0	70	70	1	971	9.8	30.2	
110	10	4.0	70	70	2	971	9.8	30.1	
100	5	4.0	50	30	2	761	9.8	30.1	
95	5	4.0	90	70	2	910	9.8	30.1	
90	7	4.0	90	70	3	910	9.8	30.1	CLOUD SPONGES
83	3	4.0	90	70	3	910	9.7	29.8	CLOUD SPONGES
80	10	4.0	70	70	3	917	9.7	29.8	CLOUD SPONGES
70	5	4.0	80	70	2	910	9.6	29.6	CLOUD SPONGES
65	5	4.5	60	40	2	751	9.6	29.6	
60	10	4.5	70	70	2	971	9.6	29.6	
50	10	4.0	90	70	2	971	9.5	29.4	
40	3	5.0	50	60	1	910	9.2	28.6	
37	7	5.0	60	40	3	799	9.1	28.4	
30	10	8.0	70	70	2	912	9.0	28.3	

DIVE NO. 1583, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
113	3	4.0	40	40	3	768	9.8	30.4	CURRENT
110	5	4.0	40	40	3	784	9.8	30.3	
105	5	4.0	40	20	2	167	9.8	30.3	
100	8	4.0	30	20	1	145	9.8	30.3	
92	2	4.5	40	60	2	900	9.8	30.3	CURRENT
90	7	4.0	60	50	2	900	9.8	30.3	CLOUD SPONGES
83	3	4.0	25	20	1	145	9.8	30.2	
80	4	4.0	30	30	2	761	9.8	30.1	
76	6	4.0	40	60	3	900	9.8	30.1	CURRENT
70	10	4.0	40	20	2	160	9.7	29.9	CLOUD SPONGES
60	10	4.0	50	60	3	917	9.6	29.6	CLOUD SPONGES
50	10	4.0	60	50	3	900	9.3	28.9	CLOUD SPONGES
40	6	4.0	30	20	2	160	8.9	28.0	
34	4	5.0	30	20	2	146	8.9	27.9	
30	3	5.0	30	20	2	146	8.9	27.9	
27	7	5.0	40	20	1	190	8.9	27.8	

Table 4 (cont'd)

DIVE NO. 1583, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
113	3	4.0	40	40	3	768	9.8	30.4	CURRENT
110	6	4.0	40	40	3	784	9.8	30.3	CLOUD SPONGES
104	4	4.0	40	20	2	167	9.8	30.3	
100	6	4.0	30	20	1	145	9.8	30.3	
94	4	4.5	50	60	2	910	9.8	30.3	
90	7	4.0	40	60	2	910	9.8	30.3	
83	3	4.0	25	20	1	147	9.8	30.2	
80	2	4.0	30	30	1	765	9.8	30.1	
78	8	4.0	60	50	3	910	9.8	30.1	CLOUD SPONGES
70	7	4.0	85	50	3	910	9.7	29.9	CLOUD SPONGES
63	3	4.0	30	40	2	917	9.7	29.7	CLOUD SPONGES
60	10	4.0	50	60	3	917	9.6	29.6	CLOUD SPONGES
50	8	4.0	70	50	3	918	9.3	28.9	CLOUD SPONGES
42	2	4.0	30	60	2	910	9.2	28.6	
40	6	4.0	30	20	2	160	8.9	28.0	CLOUD SPONGES
34	4	4.0	30	30	2	146	8.9	27.9	
30	10	5.0	35	20	2	146	8.9	27.9	

DIVE NO. 1583, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
91	1	4.0	30	30	2	745	9.8	30.3	CURRENT
90	2	3.5	30	30	2	765	9.8	30.2	CURRENT
88	8	4.0	70	50	3	910	9.8	30.2	CLOUD SPONGES
80	3	4.0	60	30	2	785	9.8	30.1	
77	7	3.5	30	20	1	150	9.8	30.0	
70	10	4.0	30	20	1	156	9.7	29.9	
60	10	4.0	90	50	2	900	9.6	29.3	CLOUD SPONGES
50	10	4.0	80	50	2	900	9.3	28.8	CLOUD SPONGES
40	10	4.0	30	20	2	196	9.0	28.0	
30	10	5.0	30	20	1	165	8.9	27.9	

DIVE NO. 1583, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
91	1	4.0	30	30	2	764	9.8	30.3	
90	2	3.5	30	30	2	764	9.8	30.2	
88	8	4.0	70	50	3	910	9.8	30.2	CLOUD SPONGES
80	1	4.0	60	50	2	910	9.8	30.1	
79	9	3.5	30	20	1	150	9.8	30.0	
70	10	4.0	30	20	1	156	9.7	29.9	

Table 4 (cont'd)

DIVE NO. 1583, TRANSECT 2, STARBOARD (cont'd)

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
60	10	4.0	90	50	2	900	9.6	29.3	CLOUD SPONGES
50	10	4.0	85	50	2	910	9.3	28.8	CLOUD SPONGES
40	10	4.0	30	20	2	196	9.0	28.0	
30	10	5.0	30	20	1	196	8.9	27.9	

DIVE NO. 1583, TRANSECT 3, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
107	7	4.0	90	70	3	900	9.8	30.3	CLOUD SPONGES
100	10	4.0	90	70	3	900	9.8	30.3	CLOUD SPONGES
90	10	4.0	85	70	3	900	9.8	30.2	CLOUD SPONGES
80	10	4.0	95	70	3	900	9.8	30.1	CLOUD SPONGES
70	10	4.0	80	70	4	900	9.7	29.8	CLOUD SPONGES
60	4	4.0	10	30	2	871	9.6	29.3	
56	4	4.0	30	60	2	917	9.6	29.6	
53	3	4.0	30	60	3	971	9.3	28.9	
50	10	4.0	25	20	1	150	9.3	28.9	
40	10	4.5	30	20	1	165	9.0	28.0	
30	10	4.5	45	60	1	910	8.9	27.8	
20	3	8.0	30	30	2	651	8.8	27.5	

DIVE NO. 1583, TRANSECT 3, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
107	7	4.0	90	70	3	910	9.8	30.3	CLOUD SPONGES
100	10	4.0	90	70	3	910	9.8	30.3	CLOUD SPONGES
90	10	4.0	90	70	3	910	9.8	30.2	CLOUD SPONGES
80	10	4.0	95	70	3	971	9.8	30.1	CLOUD SPONGES
70	5	4.0	85	70	3	910	9.7	29.8	CLOUD SPONGES
65	3	4.0	85	70	4	910	9.7	29.7	CLOUD SPONGES
62	2	4.0	30	30	3	876	9.6	29.3	CLOUD SPONGES
60	4	4.0	10	30	2	871	9.6	29.3	
56	4	4.0	30	60	2	917	9.6	29.6	
54	4	4.0	30	60	3	971	9.3	28.9	CLOUD SPONGES
50	10	4.0	30	20	1	150	9.3	28.9	
40	3	4.0	30	20	1	165	9.8	28.0	
37	7	4.5	30	20	1	142	8.9	27.9	
30	10	4.5	50	60	1	910	8.9	27.8	
20	3	8.0	30	30	2	651	8.8	27.5	

Table 4 (cont'd)

DIVE NO. 1584, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
93	3	4.0	30	10	2	100	9.8	30.2	CLOUD SPONGES
90	6	4.0	30	10	3	100	9.8	30.2	CLOUD SPONGES
84	4	4.0	30	20	1	176	9.8	30.1	
80	10	4.0	90	70	2	900	9.8	30.1	CLOUD SPONGES
70	10	4.0	80	70	3	900	9.8	30.0	CLOUD SPONGES
60	10	5.0	80	70	3	900	9.7	29.8	CLOUD SPONGES
50	10	5.0	80	70	3	900	9.6	29.3	CLOUD SPONGES
40	10	4.0	60	40	3	980	9.0	27.7	
30	5	4.0	40	40	3	879	8.7	27.4	

DIVE NO. 1584, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
93	3	4.0	30	10	2	100	9.8	30.2	CLOUD SPONGES
90	6	4.0	40	10	3	100	9.8	30.2	CLOUD SPONGES
84	4	4.0	30	20	1	176	9.8	30.1	
80	10	4.0	90	70	2	971	9.8	30.1	CLOUD SPONGES
70	10	4.0	80	70	3	971	9.8	30.0	CLOUD SPONGES
60	10	5.0	90	70	3	910	9.7	29.8	CLOUD SPONGES
50	10	5.0	80	70	3	910	9.6	29.3	CLOUD SPONGES
40	8	4.0	60	40	3	987	9.0	27.7	
32	2	5.0	70	40	2	987	8.7	27.4	
30	5	5.0	40	60	3	879	8.7	27.4	

DIVE NO. 1584, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
80	7	4.0	30	10	2	100	9.8	30.1	CLOUD SPONGES
73	3	4.0	40	20	3	160	9.8	30.0	CLOUD SPONGES
70	3	4.0	50	20	3	160	9.8	29.9	CLOUD SPONGES
67	7	4.0	30	20	2	160	9.8	29.7	
60	10	4.0	40	40	4	871	9.7	29.8	CLOUD SPONGES
50	1	4.0	20	40	4	871	9.6	29.3	
50	2	4.0	20	40	3	981	9.6	29.3	CLOUD SPONGES
53	10	4.0	20	40	3	981	9.6	29.4	CLOUD SPONGES
57	7	4.0	60	40	4	817	9.6	29.5	CLOUD SPONGES
50	3	4.0	60	40	4	817	9.6	29.3	CLOUD SPONGES
46	6	4.0	90	50	2	900	9.6	29.2	
40	10	4.0	90	50	2	900	9.0	27.8	
30	5	4.0	90	50	2	981	8.7	27.4	
25	8	4.0	30	40	3	891	8.6	27.3	

Table 4 (cont'd)

DIVE NO. 1584, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
80	5	4.0	30	10	2	100	9.8	30.1	CLOUD SPONGES
75	5	4.0	40	20	3	170	9.8	30.0	CLOUD SPONGES
70	3	4.0	50	20	3	182	9.8	29.9	CLOUD SPONGES
67	7	4.0	30	20	2	187	9.8	29.7	
60	10	4.0	60	40	4	891	9.7	29.8	CLOUD SPONGES
50	13	4.0	25	40	3	981	9.6	29.3	CLOUD SPONGES
57	7	4.0	60	40	4	871	9.6	29.5	CLOUD SPONGES
50	3	4.0	60	40	4	871	9.6	29.3	CLOUD SPONGES
46	6	4.0	90	50	2	910	9.6	29.2	
40	10	4.0	85	50	2	910	9.0	27.8	
30	5	4.0	85	50	2	917	8.7	27.4	
25	8	4.0	30	40	3	987	8.6	27.3	

DIVE NO. 1585, TRANSECT 1, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
119	11	1.5	10	10	1	100	9.8	30.1	EUPHAUSIDS
110	3	1.5	10	10	1	100	9.8	30.1	EUPHAUSIDS
107	7	3.0	15	10	1	100	9.8	30.1	
100	10	3.5	25	10	1	100	9.8	29.9	
90	10	3.5	30	10	1	170	9.8	29.9	
80	10	4.0	50	20	1	186	9.8	29.8	
70	10	4.0	50	20	1	167	9.8	29.7	
60	10	4.0	60	20	1	167	9.7	29.6	
50	10	4.5	60	20	1	167	9.7	29.3	
40	10	4.5	60	20	1	176	8.7	27.3	
30	10	6.0	60	20	1	178	8.3	27.1	

DIVE NO. 1585, TRANSECT 1, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
119	1	1.5	10	10	1	100	9.8	30.1	EUPHAUSIDS
118	10	1.5	10	10	1	100	9.8	30.1	EUPHAUSIDS
110	10	1.5	10	10	1	100	9.8	30.1	EUPHAUSIDS
100	10	3.0	25	10	1	100	9.8	29.9	
90	10	3.5	30	10	1	100	9.8	29.9	
80	10	4.0	50	20	1	186	9.8	29.8	
70	10	4.0	50	20	1	176	9.8	29.7	
60	10	4.0	60	20	1	176	9.7	29.6	
50	10	4.5	60	20	1	176	9.7	29.3	
40	10	4.5	60	20	1	176	8.7	27.3	
30	10	6.0	60	20	1	187	8.3	27.1	

Table 4 (cont'd)

DIVE NO. 1585, TRANSECT 2, PORT

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
98	8	2.0	30	10	1	100	9.8	29.9	
90	10	3.5	50	20	1	176	9.8	29.9	
80	10	3.5	50	20	1	186	9.8	29.8	
70	10	4.0	50	20	1	167	9.8	29.7	
60	10	4.5	60	20	1	167	9.7	29.6	
50	10	5.0	60	20	1	165	9.7	29.3	
40	10	5.0	60	20	2	176	8.7	27.3	
30	10	5.0	70	20	2	186	8.3	27.1	

DIVE NO. 1585, TRANSECT 2, STARBOARD

DEP	LEN	VIS	SLOPE	HAB	RELF	SED	TEMP	SAL	REMARKS
98	8	2.0	30	10	1	100	9.8	29.9	
90	10	3.5	50	20	1	167	9.8	29.9	
80	10	3.5	50	20	1	167	9.8	29.8	
70	10	4.0	50	20	1	167	9.8	29.7	
60	10	4.5	60	20	1	167	9.7	29.6	
50	10	5.0	60	20	1	167	9.7	29.3	
40	10	5.0	70	20	2	167	8.7	27.3	
30	10	5.0	70	20	2	189	8.3	27.1	

Table 5. Rockfish and lingcod counts by each observer for each transect of each dive. Columns are depth, habitat type and counts for each species. UF, unidentified rockfish. SG, *Sebastes brevispinus*; CO, *S. caurinus*; SN, *S. diploproa*; GS, *S. elongatus*; QB, *S. maliger*; TI, *S. nigrocinctus*; CN, *S. pinniger*; YE, *S. ruberrimus*; LC, lingcod (*Ophiodon elongatus*).

DIVE NO. 1531, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
85	10	0	0	0	0	1	0	0	0	0	0
80	10	0	0	0	0	0	0	0	0	1	0
70	70	0	0	0	0	0	3	0	0	0	0
60	70	0	0	0	0	0	0	0	0	1	0
44	70	0	0	0	0	0	1	0	0	1	0
30	60	0	0	1	0	0	0	0	0	0	0
20	60	0	0	5	0	0	0	0	0	0	0
TOTAL		0	0	6	0	1	4	0	0	3	0

DIVE NO. 1531, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
160	60	0	0	0	1	0	0	0	0	0	0
90	70	0	0	0	0	0	1	0	0	1	0
80	70	0	0	0	0	0	1	0	0	0	0
70	70	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	0	1	0	0	0	0
23	50	0	0	0	0	0	4	0	0	0	0
TOTAL		0	0	0	1	0	8	0	0	1	0

DIVE NO. 1531, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
130	70	0	0	0	0	0	0	0	0	1	0
90	70	0	0	0	0	0	0	0	0	1	0
70	70	0	0	0	0	2	1	0	0	0	0
40	10	0	0	0	0	0	3	0	0	0	0
30	60	0	0	0	0	0	6	0	0	0	0
20	40	0	0	0	0	0	4	0	0	0	0
TOTAL		0	0	0	0	2	14	0	0	2	0

Table 5 (cont'd)

DIVE NO. 1531, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
100	70	0	0	0	0	1	0	0	0	0	0
70	70	0	0	0	0	0	5	0	0	1	0
40	10	0	0	0	0	0	5	0	0	0	0
20	40	0	0	60	0	0	1	0	0	0	0
TOTAL		0	0	60	0	1	11	0	0	1	0

DIVE NO. 1532, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
160	60	0	0	0	0	0	0	0	0	1	0
150	10	0	0	0	0	1	0	0	0	0	0
150	20	0	0	0	0	0	0	0	0	1	0
147	20	0	0	0	0	1	0	0	0	1	0
130	50	0	0	0	0	0	1	0	0	1	0
122	10	0	0	0	0	1	0	0	0	0	0
120	20	0	0	0	0	12	0	0	0	1	0
110	20	0	0	0	0	1	0	0	0	0	0
100	20	0	0	0	0	3	1	0	0	0	0
90	20	0	0	0	0	4	2	0	0	1	0
80	20	0	0	0	0	0	1	0	0	0	0
50	20	0	0	0	0	0	1	0	0	1	0
40	40	0	0	0	0	0	3	0	0	1	1
30	40	0	0	0	0	0	3	0	0	1	0
20	40	0	0	0	0	0	1	0	0	0	0
15	40	0	0	2	0	0	1	0	0	0	0
10	40	0	0	5	0	0	0	0	0	0	0
TOTAL		0	0	7	0	23	14	0	0	9	1

Table 5 (cont'd)

DIVE NO. 1532, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
170	50	0	0	0	0	0	0	0	0	1	0
154	20	0	0	0	0	1	0	0	0	1	0
154	20	0	0	0	0	0	0	0	0	1	0
146	20	0	0	0	0	1	0	0	0	0	0
140	20	0	0	0	0	0	0	0	0	1	0
138	10	0	0	0	0	2	0	0	0	0	0
122	10	0	0	0	0	2	0	0	0	0	0
120	20	0	0	0	0	3	0	0	0	0	0
100	20	0	0	0	0	2	0	0	0	0	0
90	20	0	0	0	0	0	3	0	0	1	0
80	20	0	0	0	0	0	0	0	0	1	0
50	10	0	0	0	0	0	3	0	0	0	0
38	40	0	0	0	0	0	2	1	0	0	0
34	50	0	0	0	0	0	1	0	0	0	0
27	50	0	0	0	0	0	2	0	0	0	0
17	40	0	0	0	0	0	1	0	0	0	0
10	40	0	0	2	0	0	0	0	0	0	0
TOTAL		0	0	2	0	11	12	1	0	6	0

DIVE NO. 1533, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
220	70	0	0	0	1	0	0	0	0	0	0
210	70	0	0	0	1	0	0	0	0	0	0
200	70	0	0	0	2	0	0	0	0	0	0
170	60	0	0	0	0	0	0	0	0	4	0
160	60	0	0	0	0	0	0	0	0	1	0
159	20	1	0	0	0	1	0	0	0	0	0
150	60	4	0	0	0	4	0	0	0	0	0
147	20	4	0	0	0	10	1	0	0	0	0
140	60	1	0	0	0	9	0	0	0	1	0
140	10	0	0	0	0	1	0	0	0	0	0
120	10	0	0	0	0	1	0	0	0	0	0
100	70	0	0	0	0	1	1	0	0	0	0
90	70	0	0	0	0	1	0	0	0	0	0
70	70	0	0	0	0	0	0	0	0	1	0
60	70	0	0	0	0	0	0	0	0	1	0
50	70	0	0	0	0	0	0	0	0	3	0
40	70	0	0	0	0	0	5	0	0	7	0
30	70	0	0	0	0	0	3	0	0	0	0
TOTAL		10	0	0	4	28	10	0	0	18	0

Table 5 (cont'd)

DIVE NO. 1533, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
160	50	0	0	0	0	0	0	0	0	1	0
154	20	0	0	0	0	2	0	0	0	0	0
150	50	2	0	0	0	0	0	0	0	0	0
140	20	1	0	0	0	2	0	0	0	2	0
140	60	3	0	0	0	2	0	0	0	0	0
150	20	3	0	0	0	5	0	0	0	1	0
140	10	0	0	0	0	0	1	0	0	0	0
130	10	0	0	0	0	1	0	0	0	0	0
60	70	0	0	0	0	0	1	0	0	1	0
50	70	0	0	0	0	0	0	0	0	2	0
40	70	0	0	0	0	0	3	0	0	0	0
30	70	0	0	0	0	0	2	0	0	0	0
TOTAL		9	0	0	0	12	7	0	0	7	0

DIVE NO. 1533, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
144	10	0	0	0	0	1	0	0	0	0	0
140	10	0	0	0	0	1	0	0	0	0	0
130	20	0	0	0	0	1	0	0	0	1	0
110	70	0	0	0	0	0	0	0	0	1	0
100	20	0	0	0	0	0	0	0	0	1	0
70	70	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	0	0	0	0	2	0
50	70	0	0	0	0	0	2	0	0	1	0
40	70	0	0	0	0	0	3	0	0	1	0
30	70	0	0	0	0	0	17	0	0	1	0
20	70	0	0	1	0	0	3	0	0	0	0
TOTAL		0	0	1	0	3	26	0	0	8	0

Table 5 (cont'd)

DIVE NO. 1533, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
144	10	0	0	0	0	0	0	0	0	1	0
140	10	0	0	0	0	1	0	0	0	0	0
130	20	0	0	0	0	1	0	0	0	0	0
110	20	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	0	0	0	0	1	0
50	70	0	0	0	0	0	1	0	0	2	0
40	70	0	0	0	0	0	5	0	0	1	0
30	70	0	0	0	0	0	3	0	0	0	0
20	70	0	0	0	0	0	2	0	0	0	0
TOTAL		0	0	0	0	2	12	0	0	5	0

DIVE NO. 1534, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
159	70	0	0	0	3	0	0	0	0	0	0
120	20	0	0	0	0	1	0	0	0	0	0
110	20	0	0	0	0	2	0	0	0	0	0
100	20	0	0	0	0	3	0	0	0	1	0
90	50	0	0	0	0	0	1	0	0	4	0
80	60	0	0	0	0	1	0	0	0	0	0
70	40	0	0	0	0	0	6	0	0	3	0
68	20	0	0	0	0	3	0	0	0	3	0
60	40	0	0	0	0	0	15	0	0	1	0
54	40	0	0	0	0	1	9	0	0	1	0
TOTAL		0	0	0	3	11	31	0	0	13	0

DIVE NO. 1534, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	70	0	0	0	0	0	0	0	0	1	0
100	20	0	0	0	0	0	1	0	0	1	0
90	50	0	0	0	0	1	2	0	0	1	0
70	40	0	0	0	0	1	3	0	0	5	0
60	40	0	0	0	0	0	26	0	0	8	0
TOTAL		0	0	0	0	2	32	0	0	16	0

Table 5 (cont'd)

DIVE NO. 1534, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
146	70	0	0	0	0	0	0	0	0	1	0
116	10	0	0	0	0	0	0	0	0	1	0
110	20	0	0	0	0	1	0	0	0	0	0
100	20	0	0	0	0	1	1	0	0	0	1
90	20	0	0	0	0	3	0	0	0	2	0
85	40	0	0	0	0	2	2	0	0	1	0
80	40	0	0	0	0	2	0	0	0	0	0
77	20	0	0	0	0	4	0	0	0	0	0
75	30	0	0	0	0	1	0	0	0	3	0
72	40	0	0	0	0	0	0	0	0	3	0
70	40	0	0	0	0	0	0	0	0	5	0
68	20	0	0	0	0	3	1	0	0	0	0
60	40	0	0	0	0	1	8	0	0	2	0
54	40	0	0	0	0	0	8	0	0	0	0
TOTAL		0	0	0	0	18	20	0	0	18	1

DIVE NO. 1534, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	70	0	0	0	0	0	0	0	0	1	0
110	20	0	0	0	0	1	0	0	0	0	0
100	20	0	0	0	0	2	1	0	0	1	0
90	20	0	0	0	0	1	0	0	0	0	0
83	40	0	0	0	0	2	0	0	0	1	0
80	30	0	0	0	0	3	3	0	0	0	0
70	20	0	0	0	0	1	2	0	0	2	0
60	40	0	0	0	0	1	0	0	0	1	0
54	40	0	0	0	0	1	11	0	0	4	0
TOTAL		0	0	0	0	12	17	0	0	10	0

Table 5 (cont'd)

DIVE NO. 1534, TRANSECT 3, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	70	0	0	0	0	0	0	0	0	2	0
130	70	0	0	0	0	0	0	0	0	1	0
120	20	0	0	0	0	1	1	0	0	1	0
110	20	0	0	0	0	1	1	0	0	0	0
100	20	0	0	0	0	3	0	0	0	0	0
90	20	0	0	0	0	0	2	0	0	1	1
80	40	0	0	0	0	4	3	0	0	0	0
70	40	0	0	0	0	0	5	0	0	5	0
60	40	0	0	0	0	1	32	0	0	4	0
TOTAL		0	0	0	0	10	44	0	0	14	1

DIVE NO. 1534, TRANSECT 3, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
120	70	0	0	0	0	0	0	0	0	1	0
110	20	0	0	0	0	3	1	0	0	0	0
90	40	0	0	0	0	2	1	0	0	3	0
80	40	0	0	0	0	4	0	0	0	1	0
70	40	0	0	0	0	1	3	0	0	4	0
60	40	0	0	0	0	8	23	0	0	4	0
TOTAL		0	0	0	0	18	28	0	0	13	0

DIVE NO. 1535, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
120	70	0	0	0	0	0	0	1	0	0	0
100	70	0	0	0	0	0	0	0	0	1	0
90	70	0	0	0	0	0	1	0	0	1	0
80	70	0	0	0	0	0	5	0	0	4	0
70	70	0	0	0	0	0	2	0	0	1	0
60	70	0	0	0	0	0	2	0	0	1	0
50	70	0	0	0	0	0	17	0	0	0	0
40	70	0	0	0	0	0	3	1	0	0	0
36	30	0	0	0	0	0	4	0	0	0	0
30	30	0	0	0	0	0	5	0	0	0	0
TOTAL		0	0	0	0	0	39	2	0	8	0

Table 5 (cont'd)

DIVE NO. 1535, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
200	10	0	0	0	2	0	0	0	0	0	0
140	70	0	0	0	0	0	0	0	0	1	0
110	70	0	0	0	0	0	0	1	0	0	0
100	70	0	0	0	0	0	0	1	0	0	0
70	70	0	0	0	0	0	3	0	0	0	0
60	70	0	0	0	0	0	1	0	0	0	0
50	70	0	0	0	0	0	5	0	0	0	0
40	70	0	0	0	0	0	10	0	0	1	0
30	30	0	0	0	0	0	7	0	0	1	1
TOTAL		0	0	0	2	0	26	2	0	3	1

DIVE NO. 1535, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
110	70	0	0	0	0	0	1	0	0	2	0
80	70	0	0	0	0	0	0	1	0	3	0
60	70	0	0	0	0	0	8	1	0	2	0
50	70	0	0	0	0	0	3	1	0	0	0
40	70	0	0	0	0	0	9	3	0	2	0
30	70	0	0	0	0	0	2	1	0	0	0
24	40	0	0	0	0	0	2	1	0	0	0
20	70	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	0	26	8	0	9	0

DIVE NO. 1535, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
120	70	0	0	0	0	0	0	0	0	1	0
100	70	0	0	0	0	0	0	0	0	1	0
90	70	0	0	0	0	0	0	0	0	1	0
80	70	0	0	0	0	0	0	1	0	2	0
70	70	0	0	0	0	0	0	0	0	1	0
60	70	0	0	0	0	0	0	0	0	2	0
50	70	0	0	0	0	0	11	3	0	0	0
40	70	0	0	0	0	0	4	0	0	1	0
30	70	0	0	0	0	0	3	0	0	1	0
20	70	0	0	0	0	0	6	0	0	0	0
TOTAL		0	0	0	0	0	24	4	0	10	0

Table 5 (cont'd)

DIVE NO. 1536, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
40	30	0	0	0	0	0	10	0	0	0	0
30	30	0	0	0	0	0	9	1	0	0	0
20	30	0	0	0	0	0	2	0	0	0	0
10	30	0	0	3	0	0	0	0	0	0	0
TOTAL		0	0	3	0	0	21	1	0	0	0

DIVE NO. 1536, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
40	30	0	0	0	0	0	4	0	0	0	0
30	30	0	0	0	0	0	11	0	0	0	0
20	30	0	0	0	0	0	8	0	0	0	1
TOTAL		0	0	0	0	0	23	0	0	0	1

DIVE NO. 1537, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
146	20	0	1	0	0	1	0	0	0	0	0
125	20	0	0	0	0	1	0	0	0	0	0
100	70	0	0	0	0	1	0	0	0	0	0
80	70	0	0	0	0	0	2	0	0	1	0
66	20	0	0	0	0	1	0	0	0	0	0
50	50	0	0	0	0	0	12	0	0	0	0
40	50	0	0	0	0	0	3	1	0	0	1
30	40	0	0	0	0	0	7	0	0	0	0
20	60	0	0	0	0	0	1	0	0	0	0
TOTAL		0	1	0	0	4	25	1	0	1	1

Table 5 (cont'd)

DIVE NO. 1537, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
145	20	0	0	0	1	0	0	0	0	0	0
160	20	0	0	0	1	0	0	0	0	0	0
110	20	0	0	0	0	0	1	0	0	0	0
70	70	0	0	0	0	0	1	0	0	0	0
60	20	0	0	0	0	0	1	0	0	0	0
40	20	0	0	0	0	0	5	0	0	0	0
30	40	0	0	0	0	0	12	0	0	0	0
TOTAL		0	0	0	2	0	20	0	0	0	0

DIVE NO. 1538, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
167	20	0	0	0	2	0	0	0	0	0	0
160	20	0	0	0	1	0	0	0	0	0	0
154	20	0	0	0	1	0	0	0	0	0	0
150	20	0	0	0	0	1	0	0	0	0	0
140	20	0	0	0	2	0	0	0	0	0	0
130	10	0	0	0	13	2	1	0	0	0	0
120	10	0	0	0	0	1	0	0	0	0	0
120	20	0	0	0	0	5	3	0	0	1	0
123	20	0	0	0	0	8	2	0	0	0	0
120	20	0	0	0	0	2	1	0	0	1	0
110	20	0	0	0	0	2	3	0	0	0	0
110	50	0	0	0	0	3	3	0	0	1	0
100	20	0	0	0	0	1	1	0	0	0	0
90	20	0	0	0	0	1	2	0	0	0	0
80	50	0	0	0	0	0	0	0	0	1	0
40	50	0	0	0	0	0	2	0	0	0	0
30	50	0	0	0	0	0	6	0	0	0	0
TOTAL		0	0	0	19	26	24	0	0	4	0

Table 5 (cont'd)

DIVE NO. 1538, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
167	20	0	0	0	1	0	0	0	0	0	0
140	20	0	0	0	3	1	0	0	0	0	0
130	10	0	0	0	6	0	1	0	0	0	0
120	20	0	0	0	0	2	1	0	0	0	0
110	50	0	0	0	0	1	0	0	0	0	0
100	20	0	0	0	0	1	0	0	0	0	0
90	20	0	0	0	0	2	0	0	0	0	0
TOTAL		0	0	0	10	7	2	0	0	0	0

DIVE NO. 1539, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	20	0	0	0	0	2	0	0	0	0	0
100	70	0	0	0	0	2	0	0	0	0	0
80	70	0	0	0	0	0	1	0	0	0	0
70	70	0	0	0	0	0	2	0	0	0	0
60	70	0	0	0	0	1	0	0	0	0	0
30	70	0	0	0	0	0	5	0	0	0	0
20	70	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	5	9	0	0	0	0

DIVE NO. 1539, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
150	20	0	0	0	0	2	0	0	0	0	0
140	70	0	0	0	0	1	0	0	0	0	0
80	70	0	0	0	0	0	0	1	0	0	0
60	70	0	0	0	0	1	0	0	0	0	0
25	40	0	0	0	0	0	11	0	0	0	0
20	60	0	0	0	0	0	2	0	0	0	0
TOTAL		0	0	0	0	4	13	1	0	0	0

Table 5 (cont'd)

DIVE NO. 1539, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
148	70	0	0	0	5	0	0	0	0	0	0
140	70	0	0	0	15	0	0	0	0	0	0
130	70	0	0	0	6	0	0	0	0	0	0
110	70	0	0	0	0	0	0	0	0	1	0
90	70	1	0	0	0	0	1	1	0	1	0
70	70	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	1	0	0	0	0	0
20	60	0	0	2	0	0	12	0	0	0	0
TOTAL		1	0	2	26	1	14	1	0	2	0

DIVE NO. 1539, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
148	70	0	0	0	5	0	0	0	0	0	0
140	70	0	0	0	8	0	0	0	0	0	0
130	70	0	0	0	2	0	1	0	0	0	0
90	70	0	0	0	0	0	0	0	0	1	0
TOTAL		0	0	0	15	0	1	0	0	1	0

DIVE NO. 1578, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
150	50	0	0	0	1	0	0	0	0	0	0
130	10	0	0	0	0	1	0	0	0	0	0
124	20	0	0	0	1	2	0	0	0	0	0
120	20	0	0	0	0	3	0	0	0	0	0
108	50	0	0	0	0	1	0	0	0	0	0
100	50	1	0	0	0	1	0	0	0	0	0
75	70	0	0	0	0	0	5	0	0	0	0
70	70	0	0	0	0	0	11	0	0	1	0
60	70	1	0	0	0	0	1	0	0	0	0
50	70	0	0	0	0	1	4	0	0	0	0
40	40	0	0	0	0	0	4	0	0	0	0
TOTAL		2	0	0	2	9	25	0	0	1	0

Table 5 (cont'd)

DIVE NO. 1578, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
150	50	0	1	0	0	0	0	0	0	1	0
130	20	0	0	0	0	1	0	0	0	0	0
120	10	0	0	0	0	1	0	0	0	1	0
110	70	0	0	0	0	0	2	0	0	1	0
100	70	0	0	0	0	1	0	0	0	0	0
90	70	0	0	0	0	1	0	0	0	0	0
80	10	0	0	0	0	1	3	0	0	0	0
70	10	0	0	0	0	1	0	0	0	0	0
65	70	0	0	0	0	0	10	0	0	1	0
60	70	0	0	0	0	0	12	1	0	1	0
50	70	0	0	0	0	0	4	0	0	0	0
40	70	0	0	0	0	0	1	0	0	0	0
30	70	0	0	0	0	0	1	0	0	0	0
TOTAL		0	1	0	0	6	33	1	0	5	0

DIVE NO. 1579, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	70	0	0	0	0	0	0	0	0	1	0
130	70	0	0	0	0	0	0	0	0	1	0
90	70	0	0	0	0	0	1	2	0	1	0
80	70	0	0	0	0	0	2	0	0	0	0
57	70	0	0	0	0	0	0	0	0	1	0
50	70	0	0	0	0	1	4	1	0	2	0
40	70	0	0	0	0	0	5	1	0	2	0
TOTAL		0	0	0	0	1	12	4	0	8	0

DIVE NO. 1579, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
120	70	0	0	0	0	0	2	0	0	0	0
100	70	0	0	0	0	0	0	1	0	0	0
90	70	0	1	0	0	0	1	0	0	3	0
80	70	0	0	0	0	1	1	0	0	0	0
70	70	0	0	0	0	1	2	0	0	0	0
60	70	0	0	0	0	0	3	1	0	0	0
50	70	0	0	0	0	0	4	0	0	1	0
40	70	0	0	0	0	0	4	0	0	0	0
TOTAL		0	1	0	0	2	17	2	0	4	0

Table 5 (cont'd)

DIVE NO. 1579, TRANSECT 3, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
130	70	0	0	0	0	0	0	0	0	0	1
50	70	0	0	1	0	0	3	0	0	0	0
40	70	0	0	5	0	0	2	0	0	1	0
30	40	0	0	0	0	0	4	1	0	1	0
25	70	0	0	2	0	0	2	1	0	0	1
TOTAL		0	0	8	0	0	11	2	0	2	2

DIVE NO. 1580, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
154	10	0	0	0	4	0	0	0	0	0	0
150	10	0	0	0	4	0	0	0	0	0	0
140	10	0	0	0	0	0	0	0	1	0	0
126	10	0	0	0	0	1	0	0	0	0	0
120	10	0	0	0	0	0	1	0	0	0	0
90	70	0	0	0	0	0	1	0	0	1	0
80	70	0	0	0	0	0	6	0	0	0	0
70	70	0	0	0	0	0	5	0	0	1	0
60	70	0	0	0	0	0	1	0	0	0	0
50	40	0	0	0	0	0	28	0	0	0	0
40	40	0	0	0	0	0	23	0	0	1	0
TOTAL		0	0	0	8	1	65	0	1	3	0

DIVE NO. 1580, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
154	10	0	0	0	2	0	0	0	0	0	0
126	10	0	0	0	0	1	0	0	0	0	0
115	70	0	0	0	0	0	1	0	0	0	0
100	70	0	0	0	0	0	2	0	0	0	0
80	70	0	0	0	0	0	1	0	0	1	0
70	70	0	0	0	0	0	2	0	0	0	0
60	70	0	0	0	0	0	1	0	0	0	0
50	40	0	0	0	0	0	11	0	0	0	0
40	40	0	0	0	0	0	13	0	0	0	1
36	40	0	0	0	0	0	6	0	0	0	0
TOTAL		0	0	0	2	1	37	0	0	1	1

Table 5 (cont'd)

DIVE NO. 1580, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
100	70	0	0	0	1	0	4	0	0	1	0
90	70	0	0	0	0	0	1	0	0	1	0
80	70	0	0	0	0	0	1	0	0	0	0
67	60	0	0	0	0	0	1	0	0	0	0
64	10	0	0	0	0	2	2	0	0	0	0
60	20	0	0	0	0	0	4	0	0	0	0
57	40	0	0	0	0	0	8	0	0	0	0
60	10	0	0	0	0	0	7	0	0	0	1
57	50	0	0	0	0	0	4	0	0	0	0
43	10	0	0	0	0	0	6	0	0	0	0
40	20	0	0	0	0	0	1	0	0	0	0
28	20	0	0	0	0	0	1	0	0	0	0
25	60	0	0	0	0	0	2	0	0	0	1
20	40	0	0	0	0	0	8	1	0	0	0
15	40	0	0	0	0	0	16	1	0	0	1
TOTAL		0	0	0	1	2	66	2	0	2	3

DIVE NO. 1580, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
103	70	0	0	0	1	0	0	0	0	0	0
80	70	0	0	0	0	0	1	0	0	0	0
70	70	0	0	0	0	0	1	0	0	0	0
66	60	0	0	0	0	1	0	0	0	0	0
63	10	0	0	0	0	3	2	0	0	0	0
57	40	0	0	0	0	1	6	0	0	0	0
60	20	0	0	0	0	0	5	0	0	0	1
57	70	0	0	0	0	0	4	0	0	0	0
50	70	0	0	0	0	0	2	0	0	0	0
40	70	0	0	0	0	0	0	0	0	0	1
28	60	0	0	0	0	0	1	0	0	0	0
20	40	0	0	0	0	0	24	0	0	0	1
TOTAL		0	0	0	1	5	46	0	0	0	3

Table 5 (cont'd)

DIVE NO. 1581, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
120	20	0	0	0	0	1	0	0	0	0	0
70	20	0	0	0	0	3	0	0	0	0	0
68	20	0	0	0	0	1	1	0	0	0	0
60	20	0	0	0	0	1	0	0	0	0	0
40	20	0	0	1	0	0	10	0	0	0	1
30	40	0	0	0	0	0	8	0	0	0	1
20	40	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	1	0	6	20	0	0	0	2

DIVE NO. 1581, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
80	20	0	0	0	0	1	0	0	0	0	0
70	20	0	0	0	0	5	0	0	0	0	0
64	20	0	0	0	0	1	2	0	0	0	0
30	40	0	0	0	0	0	12	1	0	0	1
TOTAL		0	0	0	0	7	14	1	0	0	1

DIVE NO. 1581, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
70	20	0	0	0	0	1	1	0	0	0	0
60	20	0	0	0	0	2	0	0	0	0	0
53	20	0	0	0	0	0	2	0	0	0	0
50	20	0	0	0	0	0	5	0	0	0	0
30	40	0	0	0	0	0	2	1	0	0	0
TOTAL		0	0	0	0	3	10	1	0	0	0

Table 5 (cont'd)

DIVE NO. 1581, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
99	20	0	0	0	0	0	1	0	0	0	0
80	20	0	0	0	0	0	1	0	0	0	0
60	20	0	0	0	0	2	0	0	0	0	0
50	20	0	0	0	0	0	2	0	0	0	0
40	10	0	0	0	0	0	2	0	0	0	0
33	40	0	0	0	0	0	0	0	0	0	1
30	40	0	0	0	0	0	2	0	0	0	2
20	40	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	2	9	0	0	0	3

DIVE NO. 1582, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
170	50	0	0	0	1	0	0	0	0	0	0
169	20	0	0	0	0	1	0	0	0	0	0
188	20	0	0	0	0	0	0	0	0	1	0
130	20	0	0	0	0	2	1	0	0	0	0
97	70	0	0	0	0	0	1	0	0	0	0
80	70	0	0	0	0	0	2	0	0	0	0
70	70	0	0	0	0	0	3	0	0	0	0
60	40	0	0	0	0	0	2	0	0	0	0
57	70	0	0	0	0	0	2	0	0	0	1
50	70	0	0	0	0	0	7	0	0	0	0
34	70	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	1	3	19	0	0	1	1

DIVE NO. 1582, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
170	50	0	0	0	0	0	0	0	0	1	0
120	20	0	0	0	0	0	1	0	0	0	0
115	70	0	0	0	0	0	0	0	0	1	0
98	70	0	0	0	0	0	2	0	0	0	0
90	70	0	0	0	0	0	2	1	0	1	0
80	70	0	0	0	0	0	1	0	0	1	1
70	70	0	0	0	0	0	4	0	0	0	0
60	40	0	0	0	0	0	2	0	0	0	0
55	70	0	0	0	0	0	5	0	0	0	0
50	70	0	0	0	0	0	5	0	0	0	0
TOTAL		0	0	0	0	0	22	1	0	4	1

Table 5 (cont'd)

DIVE NO. 1582, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
150	70	0	0	0	0	0	0	0	0	1	0
140	70	0	0	0	0	0	2	0	0	0	0
130	70	0	0	0	0	0	1	0	0	0	0
113	70	0	0	0	0	0	1	0	0	0	0
110	70	0	0	0	0	0	1	0	0	0	0
105	30	0	0	0	0	0	1	0	0	0	0
95	70	0	0	0	0	0	2	0	0	4	0
90	70	0	0	0	0	0	2	0	0	0	0
80	70	0	0	0	0	0	2	0	0	0	0
63	40	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	0	7	0	0	0	0
50	70	0	0	0	0	0	6	0	0	0	0
35	70	0	0	0	0	0	4	0	0	0	0
TOTAL		0	0	0	0	0	30	0	0	5	0

DIVE NO. 1582, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
140	70	0	0	0	0	0	0	0	0	2	0
130	70	0	0	0	0	0	0	0	0	1	0
100	30	0	0	0	0	1	0	0	0	0	0
95	70	0	0	0	0	1	0	0	0	0	0
83	70	0	0	0	0	0	0	0	0	1	0
80	70	0	0	0	0	0	2	0	0	0	0
70	70	0	0	0	0	0	1	0	0	0	0
60	70	0	0	0	0	0	1	0	0	0	0
50	70	0	0	0	0	0	4	0	0	0	0
37	40	0	0	0	0	0	3	0	0	0	0
TOTAL		0	0	0	0	2	11	0	0	4	0

Table 5 (cont'd)

DIVE NO. 1583, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
113	40	0	0	0	0	0	1	1	0	1	0
110	40	0	0	0	0	0	0	0	0	1	0
100	20	0	0	0	0	1	0	0	0	0	1
90	50	0	0	0	0	0	0	0	0	1	0
83	20	0	0	0	0	1	0	0	0	0	0
76	60	0	0	0	0	0	3	0	0	0	0
60	60	0	0	0	0	0	20	0	0	0	0
50	50	0	0	0	0	0	17	1	0	0	0
40	20	0	0	0	0	0	7	0	0	0	0
TOTAL		0	0	0	0	2	48	2	0	3	1

DIVE NO. 1583, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
110	40	0	1	0	0	0	1	0	0	0	0
104	20	0	0	0	0	1	0	0	0	0	0
94	60	0	0	0	0	0	0	0	0	1	0
90	60	0	0	0	0	0	3	0	0	0	0
83	20	0	0	0	0	1	1	0	0	0	0
78	50	0	0	0	0	0	1	0	0	0	0
70	50	0	0	0	0	0	0	0	0	0	1
60	60	0	0	0	0	0	5	0	0	3	0
50	50	0	0	0	0	0	17	0	0	1	0
42	60	0	0	0	0	0	1	0	0	0	0
40	20	0	0	0	0	0	11	0	0	0	0
TOTAL		0	1	0	0	2	40	0	0	5	1

DIVE NO. 1583, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
91	30	0	0	0	0	0	2	0	0	0	0
90	30	0	0	0	0	0	1	0	0	0	0
88	50	0	0	0	0	0	1	0	0	0	0
60	50	0	0	0	0	0	2	0	0	0	0
50	50	0	0	0	0	0	28	0	0	0	0
40	20	0	0	0	0	0	2	0	0	0	0
TOTAL		0	0	0	0	0	36	0	0	0	0

Table 5 (cont'd)

DIVE NO. 1583, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
91	30	0	0	0	0	0	0	0	0	0	1
79	20	0	0	0	0	1	0	0	0	0	1
60	50	0	0	0	0	0	5	0	1	1	1
50	50	0	0	0	0	0	7	1	0	1	0
40	20	0	0	0	0	0	2	0	0	0	0
TOTAL		0	0	0	0	1	14	1	1	2	3

DIVE NO. 1583, TRANSECT 3, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
107	70	0	0	0	0	0	0	0	0	1	0
100	70	0	0	0	0	0	0	0	0	1	0
90	70	0	0	0	0	0	3	0	0	0	0
80	70	0	0	0	0	0	2	0	0	1	0
70	70	0	0	0	0	0	4	0	0	0	0
60	30	0	0	0	0	0	1	0	0	0	0
56	60	0	0	0	0	0	1	0	0	0	0
53	60	0	0	0	0	0	2	0	0	0	0
40	20	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	0	14	0	0	3	0

DIVE NO. 1583, TRANSECT 3, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
100	70	0	0	0	0	0	2	0	0	0	0
90	70	0	0	0	0	0	5	0	0	0	0
62	30	0	0	0	0	0	0	0	0	0	1
56	60	0	0	0	0	0	0	0	0	0	1
50	20	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	0	8	0	0	0	2

Table 5 (cont'd)

DIVE NO. 1584, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
93	10	0	0	0	0	1	1	0	0	0	0
90	10	0	0	0	0	0	1	0	0	0	0
84	20	0	0	0	0	1	0	0	0	0	0
70	70	0	0	0	0	0	2	0	0	1	0
60	70	0	0	0	0	0	1	1	0	0	0
50	70	0	0	0	0	0	1	0	0	0	0
40	40	0	0	0	0	0	11	0	0	1	0
30	40	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	2	18	1	0	2	0

DIVE NO. 1584, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
93	10	0	0	0	0	1	2	0	0	0	0
90	10	0	0	0	0	1	0	0	0	0	0
84	20	0	0	0	0	2	0	0	0	0	0
80	70	0	0	0	0	0	0	0	0	1	0
70	70	0	0	0	0	0	4	0	0	0	0
50	70	0	0	0	0	0	3	0	0	0	0
40	40	0	0	0	0	0	1	0	0	0	0
32	40	0	0	0	0	0	5	0	0	0	0
30	60	0	0	0	0	0	1	0	0	0	0
TOTAL		0	0	0	0	4	16	0	0	1	0

DIVE NO. 1584, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
80	10	0	0	0	0	1	1	0	0	0	0
70	20	0	0	0	0	0	1	0	0	0	0
67	20	0	0	0	0	0	2	0	0	0	0
60	40	0	0	0	0	0	7	0	0	2	0
50	40	0	0	0	0	0	15	0	0	0	0
50	40	0	0	0	0	0	13	0	0	0	0
53	40	0	0	0	0	0	56	0	0	1	2
57	40	0	0	0	0	0	28	0	0	4	0
50	40	0	0	0	0	0	5	1	0	2	0
40	50	0	0	0	0	0	1	0	0	0	0
30	50	0	0	0	0	0	8	1	0	0	0
25	40	0	0	0	0	0	10	1	0	0	0
TOTAL		0	0	0	0	1	147	3	0	9	2

Table 5 (cont'd)

DIVE NO. 1584, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
70	20	0	0	0	0	0	1	0	0	1	0
67	20	0	0	0	0	1	0	0	0	0	0
60	40	0	0	0	0	0	5	0	0	1	0
50	40	0	0	0	0	0	56	0	0	1	2
57	40	0	0	0	0	0	39	1	0	1	0
50	40	0	0	0	0	0	12	1	0	0	0
25	40	0	0	0	0	0	12	0	0	0	1
TOTAL		0	0	0	0	1	125	2	0	4	3

DIVE NO. 1585, TRANSECT 1, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
110	10	0	0	0	0	0	0	1	0	0	0
100	10	0	0	0	0	1	1	0	0	0	0
90	10	0	0	0	0	5	1	0	0	0	0
80	20	0	0	0	0	0	1	0	0	0	0
70	20	0	0	0	0	1	0	0	0	0	0
60	20	0	0	0	0	0	1	0	0	0	0
30	20	0	0	0	0	0	2	1	0	0	0
TOTAL		0	0	0	0	7	6	2	0	0	0

DIVE NO. 1585, TRANSECT 1, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
118	10	0	0	0	0	1	0	0	0	0	0
110	10	0	0	0	0	1	0	0	0	0	0
90	10	0	0	0	0	2	0	0	0	0	0
80	20	0	0	0	0	3	0	0	0	0	0
60	20	0	0	0	0	1	1	0	0	0	0
40	20	0	0	0	0	0	1	0	0	0	0
30	20	0	0	1	0	0	5	0	0	0	0
TOTAL		0	0	1	0	8	7	0	0	0	0

Table 5 (cont'd)

DIVE NO. 1585, TRANSECT 2, PORT

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
98	10	0	0	0	0	1	0	0	0	0	0
90	20	0	0	0	0	3	6	0	0	2	0
80	20	0	0	1	0	4	1	0	0	0	0
60	20	0	0	0	0	0	0	0	0	1	0
30	20	0	0	1	0	0	17	0	0	0	0
TOTAL		0	0	2	0	8	24	0	0	3	0

DIVE NO. 1585, TRANSECT 2, STARBOARD

DEP	HAB	UF	SG	CO	SN	GS	QB	TI	CN	YE	LC
90	20	0	0	0	0	9	0	0	0	0	0
80	20	0	0	0	0	1	1	0	0	0	0
60	20	0	0	0	0	1	0	0	0	0	0
30	20	0	0	1	0	0	13	1	0	0	0
TOTAL		0	0	1	0	11	14	1	0		

Table 6. Counts of other fish for each dive. Columns are transect number, view port (1-port, 2-starboard), depth, habitat type and counts for each species. UN, unidentified species; DF, dogfish (*Squalus acanthias*); RT, ratfish (*Hydrolagus colliei*); SP, striped perch (*Embiotoca lateralis*); PP, pile perch (*Rhacochilus vacca*); WE, wolf-eel (*Anarrhichthys ocellatus*); KG, kelp greenling (*Hexagrammos decagrammus*); PG, painted greenling (*Oxylebius pictus*).

DIVE NO. 1531

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	120	70	0	1	0	0	0	0	0	0
1	2	120	70	0	1	0	0	0	0	0	0
2	2	20	40	0	0	0	0	0	0	0	1
			TOTAL	0	2	0	0	0	0	0	1

DIVE NO. 1532

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	170	50	0	0	1	0	0	0	0	0
1	1	150	10	0	0	3	0	0	0	0	0
1	1	154	10	0	1	2	0	0	0	0	0
1	1	140	10	0	0	4	0	0	0	0	0
1	1	120	20	0	0	4	0	0	0	0	0
1	1	70	10	0	0	1	0	0	0	0	0
1	1	40	40	0	0	0	0	0	0	1	0
1	1	20	40	0	0	0	0	0	0	0	1
1	1	15	40	0	0	0	0	0	0	1	0
1	2	170	50	0	0	1	0	0	0	0	0
1	2	150	10	0	0	1	0	0	0	0	0
1	2	154	20	0	0	1	0	0	0	0	0
1	2	146	20	0	1	0	0	0	0	0	0
1	2	120	20	0	2	0	0	0	0	0	0
1	2	17	40	0	0	0	0	1	0	0	0
1	2	10	40	0	0	0	0	4	0	0	0
			TOTAL	0	4	18	0	5	0	2	1

Table 6 (cont'd)

DIVE NO. 1533

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	190	70	0	0	1	0	0	0	0	0
1	1	180	60	0	0	1	0	0	0	0	0
1	1	170	60	0	0	3	0	0	0	0	0
1	1	159	20	0	1	1	0	0	0	0	0
1	1	150	60	0	0	1	0	0	0	0	0
1	1	147	20	0	0	2	0	0	0	0	0
1	1	140	60	0	0	1	0	0	0	0	0
1	2	210	70	0	0	2	0	0	0	0	0
1	2	190	70	0	0	1	0	0	0	0	0
1	2	173	30	0	0	1	0	0	0	0	0
1	2	167	60	0	0	2	0	0	0	0	0
1	2	154	20	0	0	1	0	0	0	0	0
1	2	150	20	0	0	2	0	0	0	0	0
1	2	130	10	0	1	0	0	0	0	0	0
1	2	40	70	0	0	0	0	1	0	0	0
2	1	30	70	0	0	0	0	0	0	0	1
2	2	144	10	0	1	0	0	0	0	0	0
			TOTAL	0	3	19	0	1	0	0	1

DIVE NO. 1534

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	130	10	0	0	1	0	0	0	0	0
1	1	100	20	0	1	1	0	0	0	0	0
1	2	130	10	0	0	1	0	0	0	0	0
1	2	70	40	0	1	2	0	0	0	0	0
2	1	146	70	0	0	1	0	0	0	0	0
2	2	70	20	0	0	1	0	0	0	0	0
			TOTAL	0	2	7	0	0	0	0	0

Table 6 (cont'd)

DIVE NO. 1535

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	200	10	0	0	2	0	0	0	0	0
1	1	170	10	0	0	1	0	0	0	0	0
1	2	180	10	0	1	1	0	0	0	0	0
1	2	170	10	0	0	1	0	0	0	0	0
1	2	160	10	0	0	1	0	0	0	0	0
1	2	110	70	0	0	2	0	0	0	0	0
2	1	150	10	0	0	1	0	0	0	0	0
2	1	130	70	0	0	1	0	0	0	0	0
2	1	120	70	0	0	1	0	0	0	0	0
		TOTAL		0	1	11	0	0	0	0	0

DIVE NO. 1536

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	30	30	0	0	0	0	0	0	1	0
1	1	20	30	0	0	0	0	0	0	2	0
1	1	10	30	0	0	0	3	1	0	4	0
1	2	40	30	0	0	1	0	0	0	0	0
1	2	30	30	0	0	0	0	0	1	0	0
1	2	20	30	0	0	0	0	0	0	1	0
1	2	10	30	0	0	0	3	3	0	0	0
		TOTAL		0	0	1	6	4	1	8	0

DIVE NO. 1537

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	146	20	0	0	1	0	0	0	0	0
1	1	194	20	0	0	1	0	0	0	0	0
1	2	190	20	0	0	1	0	0	0	0	0
		TOTAL		0	0	3	0	0	0	0	0

Table 6 (cont'd)

DIVE NO. 1538

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	167	20	0	0	2	0	0	0	0	0
1	1	160	20	0	0	1	0	0	0	0	0
1	1	154	20	0	0	1	0	0	0	0	0
1	1	150	20	0	1	1	0	0	0	0	0
1	1	140	20	0	0	2	0	0	0	0	0
1	1	130	10	0	0	2	0	0	0	0	0
1	1	120	10	0	0	2	0	0	0	0	0
1	1	123	20	0	0	1	0	0	0	0	0
1	1	110	50	0	0	1	0	0	0	0	0
1	2	167	20	0	0	3	0	0	0	0	0
1	2	160	20	0	0	1	0	0	0	0	0
1	2	150	20	0	1	0	0	0	0	0	0
1	2	130	10	0	3	1	0	0	0	0	0
1	2	120	20	0	8	12	0	0	0	0	0
1	2	110	20	0	0	1	0	0	0	0	0
		TOTAL		0	13	31	0	0	0	0	0

DIVE NO. 1539

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	150	60	0	0	2	0	0	0	0	0
1	1	140	20	0	0	3	0	0	0	0	0
1	2	156	70	0	0	1	0	0	0	0	0
1	2	140	70	0	0	2	0	0	0	0	0
2	2	148	70	0	0	1	0	0	0	0	0
		TOTAL		0	0	9	0	0	0	0	0

DIVE NO. 1578

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	158	10	0	0	1	0	0	0	0	0
1	1	130	10	0	0	1	0	0	0	0	0
1	1	120	20	0	0	1	0	0	0	0	0
1	1	40	40	0	0	0	0	50	0	0	0
2	1	120	10	0	0	3	0	0	0	0	0
		TOTAL		0	0	6	0	50	0	0	0

Table 6 (cont'd)

DIVE NO. 1579

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	57	70	0	0	0	0	1	0	0	0
1	1	40	70	0	0	0	0	1	0	0	0
3	1	100	70	0	0	1	0	0	0	0	0
		TOTAL		0	0	1	0	2	0	0	0

DIVE NO. 1580

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	154	10	0	0	3	0	0	0	0	0
1	1	150	10	0	0	1	0	0	0	0	0
1	1	90	70	0	0	1	0	0	0	0	0
1	2	154	10	0	0	5	0	0	0	0	0
1	2	150	10	0	0	1	0	0	0	0	0
1	2	140	10	0	1	0	0	0	0	0	0
1	2	115	70	0	0	1	0	0	0	0	0
1	2	110	70	0	0	1	0	0	0	0	0
1	2	50	40	0	0	1	0	0	0	0	0
2	1	60	10	0	0	1	0	0	0	0	0
		TOTAL		0	1	15	0	0	0	0	0

DIVE NO. 1581

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	120	20	1	0	0	0	0	0	0	0
1	1	110	20	1	0	0	0	0	0	0	0
1	1	40	20	0	0	0	0	60	0	0	0
1	1	30	40	0	0	0	0	1	0	0	0
1	1	20	40	0	0	0	0	0	0	1	0
1	2	110	20	1	0	0	0	0	0	0	0
1	2	80	20	0	0	0	0	1	0	0	0
1	2	70	20	0	0	0	0	1	0	0	0
1	2	55	20	0	0	0	0	1	0	0	0
1	2	40	20	0	0	0	0	20	0	0	0
1	2	30	40	0	0	0	0	6	0	1	0
1	2	20	40	0	0	0	20	0	0	0	0
2	1	53	20	0	0	0	0	60	0	0	0

Table 6 (cont'd)

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
2	1	45	20	0	0	0	0	3	0	0	0
2	1	30	40	0	0	0	0	0	0	1	0
2	2	40	10	0	0	0	0	3	0	0	0
2	2	30	40	0	0	0	0	2	0	0	0
			TOTAL	3	0	0	20	158	0	3	0

DIVE NO. 1582

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	173	60	0	0	1	0	0	0	0	0
1	1	170	60	0	0	1	0	0	0	0	0
1	1	185	20	0	0	1	0	0	0	0	0
1	1	186	20	0	1	2	0	0	0	0	0
1	1	186	20	0	1	1	0	0	0	0	0
1	1	180	30	0	0	2	0	0	0	0	0
1	1	170	30	0	0	2	0	0	0	0	0
1	2	173	60	0	0	1	0	0	0	0	0
1	2	169	20	0	0	1	0	0	0	0	0
1	2	180	20	0	1	1	0	0	0	0	0
1	2	186	20	0	0	3	0	0	0	0	0
1	2	187	50	0	0	1	0	0	0	0	0
1	2	186	20	0	0	1	0	0	0	0	0
1	2	160	30	0	0	1	0	0	0	0	0
1	2	120	20	0	0	1	0	0	0	0	0
1	2	100	70	0	0	1	0	0	0	0	0
2	1	130	70	0	0	1	0	0	0	0	0
2	1	40	70	0	0	0	0	0	0	1	0
2	2	95	70	0	0	1	0	0	0	0	0
2	2	37	40	0	0	0	0	0	0	1	0
			TOTAL	0	3	23	0	0	0	2	0

Table 6 (cont'd)

DIVE NO. 1583

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	113	40	0	0	2	0	0	0	0	0
1	1	105	20	0	0	1	0	0	0	0	0
1	1	60	60	0	0	0	0	3	0	0	0
1	1	50	50	0	0	0	0	2	0	0	0
1	2	113	40	0	0	3	0	0	0	0	0
1	2	110	40	0	0	1	0	0	0	0	0
1	2	78	50	0	0	3	0	0	0	0	0
2	1	30	20	0	0	1	0	0	0	1	0
2	2	60	50	0	0	1	0	0	0	0	0
3	1	50	20	0	0	1	0	0	0	0	0
3	2	90	70	0	0	1	0	0	0	0	0
3	2	70	70	0	0	1	0	0	0	0	0
3	2	54	60	0	0	0	0	1	0	0	0
3	2	20	30	0	0	0	0	0	0	2	0
		TOTAL		0	0	15	0	6	0	3	0

DIVE NO. 1584

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	1	93	10	0	0	1	0	0	0	0	0
2	1	50	40	0	0	1	0	0	0	0	0
2	1	50	40	0	0	1	0	0	0	0	0
2	1	53	40	0	0	1	0	0	0	0	0
2	2	67	20	0	0	1	0	0	0	0	0
2	2	60	40	0	0	1	0	0	0	0	0
2	2	50	40	0	0	3	0	0	0	0	0
		TOTAL		0	0	9	0	0	0	0	0

Table 6 (cont'd)

DIVE NO. 1585

TR	VW	DEP	HAB	UN	DF	RT	SP	PP	WE	KG	PG
1	2	118	10	0	1	2	0	0	0	0	0
1	2	100	10	0	0	3	0	0	0	0	0
1	2	90	10	0	0	2	0	0	0	0	0
1	2	30	20	0	0	1	0	0	0	0	0
2	1	98	10	0	0	6	0	0	0	0	0
2	1	30	20	0	0	1	0	0	0	0	0
2	2	98	10	0	0	5	0	0	0	0	0
2	2	90	20	0	0	1	0	1	0	0	0
2	2	30	20	0	0	4	0	0	0	0	0
			TOTAL	0	1	25	0	1	0	0	0

Table 7. Distributions of fork length (cm) for each species. Columns are dive number, transect number, view port (1-port, 2-starboard), depth, habitat type and counts for each size class. UN, size not recorded.

a) unknown Sebastes spp.

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35
1533	1	1	159	20	0	0	0	0	0	1	0	0
1533	1	1	150	60	1	0	0	0	1	1	1	0
1533	1	1	147	20	0	0	0	0	0	0	4	0
1533	1	1	140	60	0	0	0	0	0	0	1	0
1533	1	2	150	50	2	0	0	0	0	0	0	0
1533	1	2	140	20	1	0	0	0	0	0	0	0
1533	1	2	140	60	3	0	0	0	0	0	0	0
1533	1	2	150	20	0	0	0	0	0	0	0	3
1539	2	1	90	70	0	0	0	0	0	1	0	0
1578	1	1	100	50	1	0	0	0	0	0	0	0
1578	1	1	60	70	0	0	1	0	0	0	0	0
TOTAL					8	0	1	0	1	3	6	3

b) S. brevispinus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1537	1	1	146	20	0	0	0	0	0	0	1	0	0
1578	2	1	150	50	0	0	0	0	0	0	1	0	0
1579	2	1	90	70	0	0	0	0	0	0	1	0	0
1583	1	2	110	40	0	0	0	0	0	0	0	0	1
TOTAL					0	0	0	0	0	0	3	0	1

Table 7 (cont'd)

c) S. caurinus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1531	1	1	30	60	0	0	0	0	1	0	0	0	0
1531	1	1	20	60	0	5	0	0	0	0	0	0	0
1531	2	2	20	40	0	60	0	0	0	0	0	0	0
1532	1	1	15	40	0	0	0	2	0	0	0	0	0
1532	1	1	10	40	0	3	0	0	2	0	0	0	0
1532	1	2	10	40	0	1	0	0	0	0	0	0	0
1532	1	2	10	40	0	0	1	0	0	0	0	0	0
1533	2	1	20	70	0	0	0	0	0	0	0	1	0
1536	1	1	10	30	0	2	1	0	0	0	0	0	0
1539	2	1	20	60	0	0	0	0	1	1	0	0	0
1579	3	1	50	70	0	1	0	0	0	0	0	0	0
1579	3	1	40	70	0	5	0	0	0	0	0	0	0
1579	3	1	25	70	0	2	0	0	0	0	0	0	0
1581	1	1	40	20	0	0	0	0	1	0	0	0	0
1585	1	2	30	20	0	0	0	0	0	0	1	0	0
1585	2	1	80	20	0	0	0	0	0	0	0	0	1
1585	2	1	30	20	0	0	0	0	0	0	1	0	0
1585	2	2	30	20	0	0	0	0	0	0	1	0	0
TOTAL					0	79	2	2	5	1	3	1	1

d) S. diploproa

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1531	1	2	160	60	0	0	0	0	0	0	0	0	1
1533	1	1	220	70	0	0	0	0	0	0	0	1	0
1533	1	1	210	70	1	0	0	0	0	0	0	0	0
1533	1	1	200	70	0	0	0	0	0	0	2	0	0
1534	1	1	159	70	0	0	0	0	0	0	0	0	3
1535	1	2	200	10	0	0	0	0	0	0	2	0	0
1537	1	2	145	20	0	0	0	0	0	0	1	0	0
1537	1	2	160	20	0	0	0	0	0	0	0	1	0
1538	1	1	167	20	0	0	0	0	0	0	1	1	0
1538	1	1	160	20	0	0	0	0	0	1	0	0	0
1538	1	1	154	20	0	0	0	0	0	1	0	0	0
1538	1	1	140	20	0	0	0	0	1	0	0	1	0
1538	1	1	130	10	0	0	0	0	7	4	2	0	0
1538	1	2	167	20	0	0	0	0	0	0	1	0	0
1538	1	2	140	20	0	0	0	0	2	1	0	0	0
1538	1	2	130	10	0	0	0	0	0	0	4	2	0
1539	2	1	148	70	0	0	0	0	4	1	0	0	0

Table 7. S. diploproa (cont'd)

S. diploproa (cont'd)

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1539	2	1	130	70	0	0	0	0	0	3	3	0	0
1539	2	2	148	70	0	0	0	0	0	0	5	0	0
1539	2	2	140	70	0	0	0	0	0	0	1	0	7
1539	2	2	130	70	0	0	0	0	0	0	1	0	1
1578	1	1	150	50	0	0	0	0	0	1	0	0	0
1578	1	1	124	20	0	0	0	0	1	0	0	0	0
1580	1	1	154	10	0	0	0	0	0	4	0	0	0
1580	1	1	150	10	0	0	0	0	0	4	0	0	0
1580	1	2	154	10	0	0	0	0	0	1	1	0	0
1580	2	1	100	70	0	0	0	0	0	1	0	0	0
1580	2	2	103	70	0	0	0	0	1	0	0	0	0
1582	1	1	170	50	0	0	0	0	0	1	0	0	0
TOTAL					1	0	0	0	18	30	30	6	12

e) S. elongatus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30
1531	1	1	85	10	0	0	1	0	0	0	0
1531	2	1	70	70	0	0	0	2	0	0	0
1531	2	2	100	70	0	0	0	1	0	0	0
1532	1	1	150	10	0	0	1	0	0	0	0
1532	1	1	147	20	0	0	1	0	0	0	0
1532	1	1	122	10	0	0	0	1	0	0	0
1532	1	1	120	20	0	0	1	5	6	0	0
1532	1	1	110	20	0	0	0	1	0	0	0
1532	1	1	100	20	0	0	1	2	0	0	0
1532	1	1	90	20	0	0	2	2	0	0	0
1532	1	2	154	20	0	0	0	0	0	0	1
1532	1	2	146	20	1	0	0	0	0	0	0
1532	1	2	138	10	0	0	0	0	0	0	2
1532	1	2	122	10	0	0	0	0	2	0	0
1532	1	2	120	20	0	0	0	0	2	1	0
1532	1	2	100	20	0	0	0	1	1	0	0
1533	1	1	159	20	0	0	0	0	1	0	0

Table 7 (cont'd) S. elongatus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30
1533	1	1	150	60	0	0	0	1	3	0	0
1533	1	1	147	20	0	0	0	2	6	1	1
1533	1	1	140	60	0	0	1	3	3	0	2
1533	1	1	140	10	0	0	0	0	0	1	0
1533	1	1	120	10	0	0	0	0	1	0	0
1533	1	1	100	70	0	0	0	0	0	1	0
1533	1	1	90	70	0	0	0	0	1	0	0
1533	1	2	154	20	0	0	0	0	2	0	0
1533	1	2	140	20	0	0	0	0	0	1	1
1533	1	2	140	60	0	0	0	0	0	1	1
1533	1	2	150	20	0	0	0	1	4	0	0
1533	1	2	130	10	0	0	0	0	1	0	0
1533	2	1	144	10	0	0	0	0	0	0	1
1533	2	1	140	10	0	0	0	0	1	0	0
1533	2	1	130	20	0	0	0	0	1	0	0
1533	2	2	140	10	0	0	0	0	1	0	0
1533	2	2	130	20	0	0	0	0	1	0	0
1534	1	1	120	20	0	0	1	0	0	0	0
1534	1	1	110	20	0	0	2	0	0	0	0
1534	1	1	100	20	0	0	0	3	0	0	0
1534	1	1	80	60	0	0	0	1	0	0	0
1534	1	1	68	20	0	0	2	0	1	0	0
1534	1	1	54	40	0	0	0	1	0	0	0
1534	1	2	90	50	0	0	0	0	1	0	0
1534	1	2	70	40	0	0	0	0	1	0	0
1534	2	1	110	20	0	0	1	0	0	0	0
1534	2	1	100	20	0	0	1	0	0	0	0
1534	2	1	90	20	0	0	1	2	0	0	0
1534	2	1	85	40	0	0	0	0	2	0	0
1534	2	1	80	40	0	0	0	0	2	0	0
1534	2	1	77	20	0	0	2	1	1	0	0
1534	2	1	75	30	0	0	0	0	1	0	0
1534	2	1	68	20	0	1	1	1	0	0	0
1534	2	1	60	40	0	0	1	0	0	0	0
1534	2	2	110	20	0	0	0	1	0	0	0
1534	2	2	100	20	0	0	0	0	2	0	0
1534	2	2	90	20	0	0	0	0	0	1	0
1534	2	2	83	40	0	0	0	2	0	0	0
1534	2	2	80	30	0	0	0	0	3	0	0
1534	2	2	70	20	0	0	1	0	0	0	0
1534	2	2	60	40	0	0	1	0	0	0	0
1534	2	2	54	40	0	0	0	0	1	0	0

Table 7 (cont'd) S. elongatus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30
1534	3	1	120	20	0	0	0	1	0	0	0
1534	3	1	110	20	0	0	0	1	0	0	0
1534	3	1	100	20	0	0	0	1	2	0	0
1534	3	1	80	40	0	0	0	4	0	0	0
1534	3	1	60	40	0	0	0	1	0	0	0
1534	3	2	110	20	0	0	0	0	2	1	0
1534	3	2	90	40	0	0	0	0	2	0	0
1534	3	2	80	40	0	0	0	0	3	1	0
1534	3	2	70	40	0	0	0	1	0	0	0
1534	3	2	60	40	0	0	0	6	2	0	0
1537	1	1	146	20	0	0	0	1	0	0	0
1537	1	1	125	20	0	0	0	0	1	0	0
1537	1	1	100	70	0	0	1	0	0	0	0
1537	1	1	66	20	0	0	0	1	0	0	0
1538	1	1	150	20	0	0	0	0	0	1	0
1538	1	1	130	10	0	0	0	0	2	0	0
1538	1	1	120	10	0	0	0	1	0	0	0
1538	1	1	120	20	0	0	0	1	4	0	0
1538	1	1	123	20	0	2	2	0	3	1	0
1538	1	1	120	20	0	0	2	0	0	0	0
1538	1	1	110	20	0	0	0	2	0	0	0
1538	1	1	110	50	0	0	1	2	0	0	0
1538	1	1	100	20	0	0	0	0	1	0	0
1538	1	1	90	20	0	0	1	0	0	0	0
1538	1	2	140	20	0	0	0	0	1	0	0
1538	1	2	120	20	0	0	0	0	2	0	0
1538	1	2	110	50	0	0	0	0	1	0	0
1538	1	2	100	20	0	0	0	1	0	0	0
1538	1	2	90	20	0	0	0	0	2	0	0
1539	1	1	140	20	0	0	1	1	0	0	0
1539	1	1	100	70	0	0	2	0	0	0	0
1539	1	1	60	70	0	0	0	1	0	0	0
1539	1	2	150	20	0	0	0	1	1	0	0
1539	1	2	140	70	0	0	0	0	1	0	0
1539	1	2	60	70	0	0	0	0	1	0	0
1539	2	1	60	70	0	0	1	0	0	0	0
1578	1	1	158	10	0	0	0	0	0	0	1
1578	1	1	130	10	0	0	0	1	0	0	0
1578	1	1	124	20	0	0	0	2	0	0	0
1578	1	1	120	20	0	0	1	1	1	0	0
1578	1	1	108	50	0	0	1	0	0	0	0
1578	1	1	100	50	0	0	0	0	1	0	0

Table 7 (cont'd) S. elongatus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30
1578	1	1	50	70	0	0	1	0	0	0	0
1578	2	1	130	20	0	0	0	0	1	0	0
1578	2	1	120	10	0	0	0	0	1	0	0
1578	2	1	100	70	0	0	0	1	0	0	0
1578	2	1	90	70	0	0	0	1	0	0	0
1578	2	1	80	10	0	0	1	0	0	0	0
1578	2	1	70	10	0	0	0	1	0	0	0
1579	1	1	50	70	0	0	0	0	1	0	0
1579	2	1	80	70	0	0	1	0	0	0	0
1579	2	1	70	70	0	0	0	1	0	0	0
1580	1	1	126	10	0	0	1	0	0	0	0
1580	1	2	126	10	0	0	0	0	1	0	0
1580	2	1	64	10	0	0	1	0	1	0	0
1580	2	2	66	60	0	0	0	0	1	0	0
1580	2	2	63	10	0	0	0	2	1	0	0
1580	2	2	57	40	0	0	0	0	1	0	0
1581	1	1	120	20	0	0	1	0	0	0	0
1581	1	1	70	20	0	0	2	1	0	0	0
1581	1	1	68	20	0	0	1	0	0	0	0
1581	1	1	60	20	0	0	1	0	0	0	0
1581	1	2	80	20	0	0	0	0	1	0	0
1581	1	2	70	20	0	0	2	1	2	0	0
1581	1	2	64	20	0	0	0	0	0	1	0
1581	2	1	70	20	0	0	0	0	1	0	0
1581	2	1	60	20	0	0	2	0	0	0	0
1581	2	2	60	20	0	0	0	2	0	0	0
1582	1	1	169	20	0	0	1	0	0	0	0
1582	1	1	130	20	0	0	0	0	1	1	0
1582	2	2	100	30	0	0	0	0	0	1	0
1582	2	2	95	70	0	0	0	0	0	1	0
1583	1	1	100	20	0	0	0	0	1	0	0
1583	1	1	83	20	0	0	0	0	1	0	0
1583	1	2	104	20	0	0	0	0	0	1	0
1583	1	2	83	20	0	0	0	0	0	0	1
1583	2	2	79	20	0	0	0	0	0	1	0
1584	1	1	93	10	0	0	1	0	0	0	0
1584	1	1	84	20	0	0	1	0	0	0	0
1584	1	2	93	10	0	0	0	0	1	0	0
1584	1	2	90	10	0	0	0	0	1	0	0
1584	1	2	84	20	0	0	0	0	2	0	0
1584	2	1	80	10	0	0	1	0	0	0	0
1584	2	2	67	20	0	0	0	0	0	0	1

Table 7 (cont'd) S. elongatus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30
1585	1	1	100	10	0	0	0	0	1	0	0
1585	1	1	90	10	0	0	0	0	0	4	1
1585	1	1	70	20	0	0	1	0	0	0	0
1585	1	2	118	10	0	0	0	0	1	0	0
1585	1	2	110	10	0	0	0	0	1	0	0
1585	1	2	90	10	0	0	0	0	1	1	0
1585	1	2	80	20	0	0	1	0	1	0	1
1585	1	2	60	20	0	0	1	0	0	0	0
1585	2	1	98	10	0	0	0	0	0	1	0
1585	2	1	90	20	0	0	1	0	2	0	0
1585	2	1	80	20	0	0	3	1	0	0	0
1585	2	2	90	20	0	0	0	1	4	3	1
1585	2	2	80	20	0	0	0	0	0	1	0
1585	2	2	60	20	0	0	1	0	0	0	0
TOTAL						1	3	61	77	115	27	15

f) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1531	1	1	70	70	0	0	2	1	0	0	0	0	0
1531	1	1	44	70	0	0	0	0	1	0	0	0	0
1531	1	2	90	70	0	0	0	0	0	0	0	1	0
1531	1	2	80	70	0	0	0	0	0	0	1	0	0
1531	1	2	70	70	1	0	0	0	0	0	0	0	0
1531	1	2	60	70	0	0	0	0	0	1	0	0	0
1531	1	2	23	50	0	0	3	1	0	0	0	0	0
1531	2	1	70	70	0	0	0	0	1	0	0	0	0
1531	2	1	40	10	0	3	0	0	0	0	0	0	0
1531	2	1	30	60	0	6	0	0	0	0	0	0	0
1531	2	1	20	40	0	4	0	0	0	0	0	0	0
1531	2	2	70	70	0	0	0	2	3	0	0	0	0
1531	2	2	40	10	0	0	0	5	0	0	0	0	0
1531	2	2	20	40	0	0	0	1	0	0	0	0	0
1532	1	1	130	50	0	0	0	0	0	1	0	0	0
1532	1	1	100	20	0	0	0	0	1	0	0	0	0
1532	1	1	90	20	0	0	1	1	0	0	0	0	0
1532	1	1	80	20	0	0	0	1	0	0	0	0	0
1532	1	1	50	20	0	0	0	0	1	0	0	0	0
1532	1	1	40	40	0	0	0	0	2	1	0	0	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1532	1	1	30	40	0	1	0	1	1	0	0	0	0
1532	1	1	20	40	0	1	0	0	0	0	0	0	0
1532	1	1	15	40	0	0	0	0	1	0	0	0	0
1532	1	2	90	20	0	0	0	0	0	1	1	1	0
1532	1	2	50	10	0	0	0	0	0	0	3	0	0
1532	1	2	38	40	0	0	0	0	0	0	2	0	0
1532	1	2	34	50	0	0	0	0	0	0	0	1	0
1532	1	2	27	50	0	0	0	0	0	0	0	2	0
1532	1	2	17	40	0	0	0	0	0	1	0	0	0
1533	1	1	147	20	0	0	0	0	0	0	0	1	0
1533	1	1	100	70	0	0	0	0	0	0	1	0	0
1533	1	1	40	70	0	0	0	0	1	4	0	0	0
1533	1	1	30	70	0	0	1	0	1	0	1	0	0
1533	1	2	140	10	0	0	0	0	0	0	0	1	0
1533	1	2	60	70	0	0	0	0	0	0	0	1	0
1533	1	2	40	70	0	0	0	0	0	2	0	1	0
1533	1	2	30	70	0	0	0	0	0	0	2	0	0
1533	2	1	70	70	0	0	0	0	0	0	1	0	0
1533	2	1	50	70	0	0	0	0	2	0	0	0	0
1533	2	1	40	70	0	0	0	0	1	2	0	0	0
1533	2	1	30	70	0	0	1	9	5	1	1	0	0
1533	2	1	20	70	0	0	0	1	2	0	0	0	0
1533	2	2	110	20	0	0	0	0	0	0	1	0	0
1533	2	2	50	70	0	0	0	0	0	1	0	0	0
1533	2	2	40	70	0	0	0	3	0	0	0	0	0
1533	2	2	40	70	0	0	0	0	1	1	0	0	0
1533	2	2	30	70	0	0	0	1	0	1	1	0	0
1533	2	2	20	70	0	0	0	0	1	0	1	0	0
1534	1	1	90	50	0	0	0	0	0	1	0	0	0
1534	1	1	70	40	0	0	0	2	2	2	0	0	0
1534	1	1	60	40	0	1	8	1	0	0	4	1	0
1534	1	1	54	40	0	0	3	2	1	0	1	2	0
1534	1	2	100	20	0	0	0	0	0	0	0	1	0
1534	1	2	90	50	0	0	0	0	0	0	1	1	0
1534	1	2	70	40	0	0	0	0	0	0	3	0	0
1534	1	2	60	40	0	0	14	4	2	0	4	2	0
1534	2	1	100	20	0	0	0	0	0	0	1	0	0
1534	2	1	85	40	0	0	0	0	1	0	1	0	0
1534	2	1	68	20	0	0	0	0	1	0	0	0	0
1534	2	1	60	40	0	0	5	1	2	0	0	0	0
1534	2	1	54	40	0	0	6	1	1	0	0	0	0
1534	2	2	100	20	0	0	0	0	0	0	0	1	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1534	2	2	80	30	0	0	0	0	1	2	0	0	0
1534	2	2	70	20	0	0	1	0	1	0	0	0	0
1534	2	2	54	40	0	0	3	5	1	0	1	1	0
1534	3	1	120	20	0	0	0	0	0	0	0	1	0
1534	3	1	110	20	0	0	0	0	0	1	0	0	0
1534	3	1	90	20	0	0	0	0	0	1	1	0	0
1534	3	1	80	40	0	0	0	0	3	0	0	0	0
1534	3	1	70	40	0	0	1	1	0	0	3	0	0
1534	3	1	60	40	0	3	18	0	5	2	3	1	0
1534	3	2	110	20	0	0	0	0	0	0	1	0	0
1534	3	2	90	40	0	0	0	0	0	0	0	1	0
1534	3	2	70	40	0	0	0	0	1	1	1	0	0
1534	3	2	60	40	0	5	10	4	1	3	0	0	0
1535	1	1	90	70	0	0	0	0	1	0	0	0	0
1535	1	1	80	70	0	0	0	2	2	1	0	0	0
1535	1	1	70	70	0	0	1	0	0	1	0	0	0
1535	1	1	60	70	0	0	1	0	0	0	1	0	0
1535	1	1	50	70	0	0	11	1	5	0	0	0	0
1535	1	1	40	70	0	0	3	0	0	0	0	0	0
1535	1	1	36	30	0	0	4	0	0	0	0	0	0
1535	1	1	30	30	0	0	3	0	2	0	0	0	0
1535	1	2	70	70	0	0	0	0	2	0	0	1	0
1535	1	2	60	70	0	0	0	1	0	0	0	0	0
1535	1	2	50	70	0	0	0	1	3	0	1	0	0
1535	1	2	40	70	0	0	2	5	2	0	1	0	0
1535	1	2	30	30	0	0	0	2	2	0	3	0	0
1535	2	1	110	70	0	0	0	0	0	0	1	0	0
1535	2	1	60	70	0	0	4	2	2	0	0	0	0
1535	2	1	50	70	0	0	1	2	0	0	0	0	0
1535	2	1	40	70	0	0	6	2	0	1	0	0	0
1535	2	1	30	70	0	0	0	2	0	0	0	0	0
1535	2	1	24	40	0	0	0	0	2	0	0	0	0
1535	2	1	20	70	0	0	0	0	1	0	0	0	0
1535	2	2	50	70	0	0	0	8	1	1	1	0	0
1535	2	2	40	70	0	0	1	1	2	0	0	0	0
1535	2	2	30	70	0	0	1	1	1	0	0	0	0
1535	2	2	20	70	0	4	1	1	0	0	0	0	0
1536	1	1	40	30	0	0	3	0	2	3	2	0	0
1536	1	1	30	30	0	0	4	0	0	2	2	1	0
1536	1	1	20	30	0	0	0	0	0	0	1	1	0
1536	1	2	40	30	0	0	0	0	2	0	1	1	0
1536	1	2	30	30	0	1	0	1	1	1	5	2	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1536	1	2	20	30	0	0	1	1	0	0	5	1	0
1537	1	1	80	70	0	0	0	2	0	0	0	0	0
1537	1	1	50	50	0	1	11	0	0	0	0	0	0
1537	1	1	40	50	0	0	3	0	0	0	0	0	0
1537	1	1	30	40	0	4	1	0	0	2	0	0	0
1537	1	1	20	60	0	0	0	0	0	0	1	0	0
1537	1	2	110	20	0	0	0	0	0	0	1	0	0
1537	1	2	70	70	0	0	0	0	0	0	0	1	0
1537	1	2	60	20	0	0	0	0	0	0	0	1	0
1537	1	2	40	20	0	0	0	0	0	5	0	0	0
1537	1	2	30	40	0	0	0	0	5	1	3	3	0
1538	1	1	130	10	0	0	0	0	0	0	1	0	0
1538	1	1	120	20	0	0	0	1	0	0	2	0	0
1538	1	1	123	20	0	0	0	0	0	0	2	0	0
1538	1	1	120	20	0	0	0	0	0	1	0	0	0
1538	1	1	110	20	0	0	0	0	0	3	0	0	0
1538	1	1	110	50	0	0	0	2	0	0	0	1	0
1538	1	1	100	20	0	0	0	1	0	0	0	0	0
1538	1	1	90	20	0	0	1	0	0	0	1	0	0
1538	1	1	40	50	0	0	0	0	0	2	0	0	0
1538	1	1	30	50	0	3	0	2	1	0	0	0	0
1538	1	2	130	10	0	0	0	0	1	0	0	0	0
1538	1	2	120	20	0	0	0	0	0	0	0	1	0
1539	1	1	80	70	0	0	1	0	0	0	0	0	0
1539	1	1	70	70	0	0	2	0	0	0	0	0	0
1539	1	1	30	70	0	0	0	0	4	1	0	0	0
1539	1	1	20	70	0	0	0	0	1	0	0	0	0
1539	1	2	25	40	0	0	0	0	0	11	0	0	0
1539	1	2	20	60	0	0	0	0	2	0	0	0	0
1539	2	1	90	70	0	0	0	0	0	1	0	0	0
1539	2	1	70	70	0	0	0	0	0	1	0	0	0
1539	2	1	20	60	0	0	11	0	1	0	0	0	0
1539	2	2	130	70	0	0	0	0	0	0	0	0	1
1578	1	1	75	70	0	0	0	1	2	0	2	0	0
1578	1	1	70	70	0	0	3	7	1	0	0	0	0
1578	1	1	60	70	0	0	1	0	0	0	0	0	0
1578	1	1	50	70	0	1	1	2	0	0	0	0	0
1578	1	1	40	40	0	2	0	2	0	0	0	0	0
1578	2	1	110	70	0	0	1	1	0	0	0	0	0
1578	2	1	80	10	0	0	0	0	0	1	2	0	0
1578	2	1	65	70	0	0	1	3	3	3	0	0	0
1578	2	1	50	70	0	0	2	2	0	0	0	0	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1578	2	1	40	70	0	0	1	0	0	0	0	0	0
1578	2	1	30	70	0	0	0	0	0	1	0	0	0
1579	1	1	90	70	0	0	0	1	0	0	0	0	0
1579	1	1	80	70	0	0	0	1	1	0	0	0	0
1579	1	1	50	70	0	0	0	2	2	0	0	0	0
1579	1	1	40	70	0	0	0	0	3	2	0	0	0
1579	2	1	120	70	0	0	0	0	0	2	0	0	0
1579	2	1	90	70	0	0	0	1	0	0	0	0	0
1579	2	1	80	70	0	0	0	0	0	0	1	0	0
1579	2	1	70	70	0	0	0	0	1	1	0	0	0
1579	2	1	60	70	1	0	0	1	0	1	0	0	0
1579	2	1	50	70	0	0	0	2	1	0	1	0	0
1579	2	1	40	70	0	0	0	0	2	2	0	0	0
1579	3	1	50	70	0	0	0	2	1	0	0	0	0
1579	3	1	40	70	0	0	2	0	0	0	0	0	0
1579	3	1	30	40	0	0	0	2	0	2	0	0	0
1579	3	1	25	70	0	0	0	0	0	1	1	0	0
1580	1	1	120	10	0	0	0	0	0	1	0	0	0
1580	1	1	90	70	0	0	0	1	0	0	0	0	0
1580	1	1	80	70	0	0	1	2	3	0	0	0	0
1580	1	1	70	70	0	0	5	0	0	0	0	0	0
1580	1	1	60	70	0	0	0	0	0	1	0	0	0
1580	1	1	50	40	0	5	19	4	0	0	0	0	0
1580	1	1	40	40	0	8	7	4	1	2	1	0	0
1580	1	2	115	70	0	0	0	0	0	0	0	1	0
1580	1	2	100	70	0	0	0	0	0	1	1	0	0
1580	1	2	80	70	0	0	0	1	0	0	0	0	0
1580	1	2	70	70	0	0	0	0	1	1	0	0	0
1580	1	2	60	70	0	0	1	0	0	0	0	0	0
1580	1	2	50	40	0	0	7	2	2	0	0	0	0
1580	1	2	40	40	0	0	9	0	2	1	1	0	0
1580	1	2	36	40	0	0	2	2	1	1	0	0	0
1580	2	1	100	70	0	0	1	2	1	0	0	0	0
1580	2	1	90	70	0	0	0	1	0	0	0	0	0
1580	2	1	80	70	0	0	1	0	0	0	0	0	0
1580	2	1	67	60	0	0	1	0	0	0	0	0	0
1580	2	1	64	10	0	0	1	1	0	0	0	0	0
1580	2	1	60	20	0	0	0	1	3	0	0	0	0
1580	2	1	57	40	0	0	7	1	0	0	0	0	0
1580	2	1	60	10	0	0	3	3	1	0	0	0	0
1580	2	1	57	50	0	0	3	1	0	0	0	0	0
1580	2	1	43	10	0	0	0	0	0	6	0	0	0
1580	2	1	40	20	0	0	0	0	0	0	1	0	0
1580	2	1	28	20	0	0	0	0	0	1	0	0	0
1580	2	1	25	60	0	0	0	0	0	2	0	0	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1580	2	1	20	40	0	0	2	1	3	2	0	0	0
1580	2	1	15	40	0	0	0	0	16	0	0	0	0
1580	2	2	80	70	0	0	1	0	0	0	0	0	0
1580	2	2	70	70	0	0	1	0	0	0	0	0	0
1580	2	2	63	10	0	0	2	0	0	0	0	0	0
1580	2	2	57	40	0	0	4	0	0	1	1	0	0
1580	2	2	57	70	0	0	0	2	2	0	0	0	0
1580	2	2	50	70	0	0	1	0	0	0	0	1	0
1580	2	2	28	60	0	0	0	0	1	0	0	0	0
1580	2	2	20	40	0	0	0	0	7	15	0	2	0
1581	1	1	68	20	0	0	1	0	0	0	0	0	0
1581	1	1	40	20	0	0	0	0	10	0	0	0	0
1581	1	1	30	40	0	0	2	0	3	2	1	0	0
1581	1	1	20	40	0	0	0	0	1	0	0	0	0
1581	1	2	64	20	0	0	0	0	0	1	0	1	0
1581	1	2	30	40	0	1	0	0	6	2	0	2	0
1581	1	2	30	40	0	0	0	0	0	0	1	0	0
1581	2	1	70	20	0	0	0	0	0	1	0	0	0
1581	2	1	53	20	0	0	0	1	1	0	0	0	0
1581	2	1	50	20	0	0	3	2	0	0	0	0	0
1581	2	1	30	40	0	0	0	0	0	2	0	0	0
1581	2	2	99	20	0	0	0	0	0	0	0	1	0
1581	2	2	80	20	0	0	1	0	0	0	0	0	0
1581	2	2	50	20	0	0	0	2	0	0	0	0	0
1581	2	2	40	10	0	0	0	0	1	1	0	0	0
1581	2	2	30	40	0	0	0	0	0	0	1	1	0
1581	2	2	20	40	0	0	0	0	0	0	0	1	0
1582	1	1	130	20	0	0	0	0	0	1	0	0	0
1582	1	1	97	70	0	0	0	0	1	0	0	0	0
1582	1	1	80	70	0	0	0	1	1	0	0	0	0
1582	1	1	70	70	0	0	0	1	1	1	0	0	0
1582	1	1	60	40	0	0	0	2	0	0	0	0	0
1582	1	1	57	70	0	1	1	0	0	0	0	0	0
1582	1	1	50	70	0	6	0	1	0	0	0	0	0
1582	1	1	34	70	0	1	0	0	0	0	0	0	0
1582	1	2	120	20	0	0	0	0	0	1	0	0	0
1582	1	2	98	70	0	0	0	2	0	0	0	0	0
1582	1	2	90	70	0	0	0	1	1	0	0	0	0
1582	1	2	80	70	0	0	0	1	0	0	0	0	0
1582	1	2	70	70	0	0	0	1	1	0	2	0	0
1582	1	2	60	40	0	0	1	1	0	0	0	0	0
1582	1	2	55	70	0	0	1	4	0	0	0	0	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1582	1	2	50	70	0	5	0	0	0	0	0	0	0
1582	2	1	140	70	0	0	0	0	0	0	2	0	0
1582	2	1	130	70	0	0	0	0	0	0	1	0	0
1582	2	1	113	70	0	0	0	0	0	0	1	0	0
1582	2	1	110	70	0	0	0	0	0	1	0	0	0
1582	2	1	105	30	0	0	0	0	0	1	0	0	0
1582	2	1	95	70	0	0	0	0	0	1	1	0	0
1582	2	1	90	70	0	0	0	0	2	0	0	0	0
1582	2	1	80	70	0	0	0	1	0	1	0	0	0
1582	2	1	63	40	0	0	0	0	0	0	1	0	0
1582	2	1	60	70	0	1	3	2	0	1	0	0	0
1582	2	1	50	70	0	1	4	0	0	1	0	0	0
1582	2	1	35	70	0	3	0	0	0	1	0	0	0
1582	2	2	80	70	0	0	0	2	0	0	0	0	0
1582	2	2	70	70	0	0	1	0	0	0	0	0	0
1582	2	2	60	70	0	0	0	0	0	0	1	0	0
1582	2	2	50	70	0	1	2	0	0	0	1	0	0
1582	2	2	37	40	0	3	0	0	0	0	0	0	0
1583	1	1	113	40	0	0	0	0	0	1	0	0	0
1583	1	1	76	60	0	0	3	0	0	0	0	0	0
1583	1	1	60	60	0	7	8	5	0	0	0	0	0
1583	1	1	50	50	0	1	13	2	1	0	0	0	0
1583	1	1	40	20	0	7	0	0	0	0	0	0	0
1583	1	2	110	40	0	0	0	0	0	0	0	1	0
1583	1	2	90	60	0	0	0	0	0	0	1	2	0
1583	1	2	83	20	0	0	0	0	0	0	0	1	0
1583	1	2	78	50	0	0	1	0	0	0	0	0	0
1583	1	2	60	60	0	0	0	0	3	0	2	0	0
1583	1	2	50	50	0	1	11	4	1	0	0	0	0
1583	1	2	42	60	0	0	1	0	0	0	0	0	0
1583	1	2	40	20	0	8	3	0	0	0	0	0	0
1583	2	1	91	30	0	0	0	0	0	0	1	1	0
1583	2	1	90	30	0	0	0	0	0	0	1	0	0
1583	2	1	88	50	0	0	0	1	0	0	0	0	0
1583	2	1	60	50	0	1	0	0	0	1	0	0	0
1583	2	1	50	50	0	7	19	2	0	0	0	0	0
1583	2	1	40	20	0	1	1	0	0	0	0	0	0
1583	2	2	60	50	0	1	0	1	1	1	1	0	0
1583	2	2	50	50	0	5	1	0	0	1	0	0	0
1583	2	2	40	20	0	0	2	0	0	0	0	0	0
1583	3	1	90	70	0	0	0	3	0	0	0	0	0
1583	3	1	80	70	0	0	2	0	0	0	0	0	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1583	3	1	70	70	0	0	3	1	0	0	0	0	0
1583	3	1	60	30	0	0	1	0	0	0	0	0	0
1583	3	1	56	60	0	1	0	0	0	0	0	0	0
1583	3	1	53	60	0	0	1	0	1	0	0	0	0
1583	3	1	40	20	0	0	0	0	0	1	0	0	0
1583	3	2	100	70	0	0	0	0	1	0	0	1	0
1583	3	2	90	70	0	0	0	1	1	0	1	2	0
1583	3	2	50	20	0	1	0	0	0	0	0	0	0
1584	1	1	93	10	0	0	1	0	0	0	0	0	0
1584	1	1	90	10	0	0	0	0	1	0	0	0	0
1584	1	1	70	70	0	0	2	0	0	0	0	0	0
1584	1	1	60	70	0	0	1	0	0	0	0	0	0
1584	1	1	50	70	0	0	1	0	0	0	0	0	0
1584	1	1	40	40	0	0	0	10	1	0	0	0	0
1584	1	1	30	40	0	0	0	1	0	0	0	0	0
1584	1	2	93	10	0	0	1	0	1	0	0	0	0
1584	1	2	70	70	0	0	0	0	0	2	1	1	0
1584	1	2	50	70	0	1	0	0	1	0	1	0	0
1584	1	2	40	40	0	0	0	0	1	0	0	0	0
1584	1	2	32	40	0	0	0	0	0	2	2	1	0
1584	1	2	30	60	0	0	0	0	0	1	0	0	0
1584	2	1	80	10	0	0	0	1	0	0	0	0	0
1584	2	1	70	20	0	0	1	0	0	0	0	0	0
1584	2	1	67	20	0	0	0	1	0	1	0	0	0
1584	2	1	60	40	0	0	1	0	2	3	1	0	0
1584	2	1	50	40	0	1	3	4	2	1	4	0	0
1584	2	1	50	40	0	4	6	3	0	0	0	0	0
1584	2	1	53	40	0	13	30	8	3	0	2	0	0
1584	2	1	57	40	0	0	10	6	3	4	4	1	0
1584	2	1	50	40	0	0	1	3	1	0	0	0	0
1584	2	1	40	50	0	0	0	0	0	0	1	0	0
1584	2	1	30	50	0	0	0	0	0	3	5	0	0
1584	2	1	25	40	0	0	3	6	0	0	1	0	0
1584	2	2	70	20	0	0	0	0	0	0	0	1	0
1584	2	2	60	40	0	0	2	2	0	0	0	1	0
1584	2	2	50	40	0	2	31	9	7	3	2	2	0
1584	2	2	57	40	0	1	2	21	6	7	0	2	0
1584	2	2	50	40	0	0	1	2	4	5	0	0	0
1584	2	2	25	40	0	0	1	0	1	3	6	1	0
1585	1	1	100	10	0	0	0	0	0	0	0	0	1
1585	1	1	90	10	0	0	0	0	0	0	0	0	1
1585	1	1	80	20	0	0	0	0	0	0	0	1	0

Table 7 (cont'd) S. maliger

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1585	1	1	60	20	0	0	1	0	0	0	0	0	0
1585	1	1	30	20	0	2	0	0	0	0	0	0	0
1585	1	2	60	20	0	0	0	1	0	0	0	0	0
1585	1	2	40	20	0	0	0	0	0	0	1	0	0
1585	1	2	30	20	0	0	0	0	0	2	2	1	0
1585	2	1	90	20	0	0	1	0	2	2	1	0	0
1585	2	1	80	20	0	0	0	0	0	0	0	1	0
1585	2	1	30	20	0	3	0	1	3	7	3	0	0
1585	2	2	80	20	0	0	0	1	0	0	0	0	0
1585	2	2	30	20	0	2	8	1	0	0	0	2	0
TOTAL					2	147	445	280	236	189	146	68	3

g) S. nigrocinctus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1532	1	2	38	40	0	0	0	0	0	1	0	0	0
1535	1	1	120	70	0	0	0	0	0	1	0	0	0
1535	1	1	40	70	0	0	0	0	1	0	0	0	0
1535	1	2	110	70	0	0	0	0	0	0	1	0	0
1535	1	2	100	70	0	0	0	0	0	0	0	1	0
1535	2	1	80	70	0	0	0	0	0	1	0	0	0
1535	2	1	60	70	0	0	0	0	1	0	0	0	0
1535	2	1	50	70	0	0	0	0	1	0	0	0	0
1535	2	1	40	70	0	0	0	0	2	1	0	0	0
1535	2	1	30	70	0	0	0	0	1	0	0	0	0
1535	2	1	24	40	0	0	0	0	0	1	0	0	0
1535	2	2	80	70	0	0	0	0	0	0	1	0	0
1535	2	2	50	70	1	0	0	0	0	1	1	0	0
1536	1	1	30	30	0	0	0	0	0	0	1	0	0
1537	1	1	40	50	0	0	0	1	0	0	0	0	0
1539	1	2	80	70	0	0	0	0	0	0	0	0	1
1539	2	1	90	70	0	0	0	0	0	0	0	0	1
1578	2	1	60	70	1	0	0	0	0	0	0	0	0
1579	1	1	90	70	0	0	0	0	0	2	0	0	0
1579	1	1	50	70	0	0	0	0	1	0	0	0	0
1579	1	1	40	70	0	0	0	0	0	1	0	0	0
1579	2	1	100	70	0	0	0	0	0	0	1	0	0
1579	2	1	60	70	0	0	0	0	0	1	0	0	0
1579	3	1	30	40	0	0	0	0	1	0	0	0	0

Table 7 (cont'd) S. nigrocinctus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40
1579	3	1	25	70	0	0	0	0	1	0	0	0	0
1580	2	1	20	40	0	0	0	0	1	0	0	0	0
1580	2	1	15	40	0	0	0	0	1	0	0	0	0
1581	1	2	30	40	0	0	0	0	0	1	0	0	0
1581	2	1	30	40	0	0	0	0	0	1	0	0	0
1582	1	2	90	70	0	0	0	0	0	1	0	0	0
1583	1	1	113	40	0	0	0	0	0	0	0	1	0
1583	1	1	50	50	0	0	0	0	0	0	1	0	0
1583	2	2	50	50	0	0	0	0	1	0	0	0	0
1584	1	1	60	70	0	0	0	0	1	0	0	0	0
1584	2	1	50	40	0	0	0	0	0	0	1	0	0
1584	2	1	30	50	0	0	0	0	0	1	0	0	0
1584	2	1	25	40	0	0	0	0	0	1	0	0	0
1584	2	2	57	40	0	0	0	0	0	0	1	0	0
1584	2	2	50	40	0	0	0	0	0	0	1	0	0
1585	1	1	110	10	0	0	1	0	0	0	0	0	0
1585	1	1	30	20	0	0	0	0	0	0	1	0	0
1585	2	2	30	20	0	0	0	0	0	0	0	1	0
TOTAL					2	0	1	1	13	15	10	3	2

h) S. ruberrimus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	>45
1531	1	1	80	10	0	0	1	0	0	0	0	0	0	0	0
1531	1	1	60	70	0	0	1	0	0	0	0	0	0	0	0
1531	1	1	44	70	0	0	0	0	1	0	0	0	0	0	0
1531	1	2	90	70	0	0	0	0	0	0	0	0	1	0	0
1531	2	1	130	70	0	0	0	0	1	0	0	0	0	0	0
1531	2	1	90	70	0	0	0	1	0	0	0	0	0	0	0
1531	2	2	70	70	0	0	0	0	0	0	1	0	0	0	0
1532	1	1	160	60	0	0	0	0	0	1	0	0	0	0	0
1532	1	1	150	20	0	0	0	0	0	1	0	0	0	0	0
1532	1	1	147	20	0	0	0	0	0	1	0	0	0	0	0
1532	1	1	130	50	0	0	0	1	0	0	0	0	0	0	0
1532	1	1	120	20	0	0	1	0	0	0	0	0	0	0	0
1532	1	1	90	20	0	0	0	1	0	0	0	0	0	0	0
1532	1	1	50	20	0	0	0	0	1	0	0	0	0	0	0
1532	1	1	40	40	0	0	0	0	1	0	0	0	0	0	0
1532	1	1	30	40	0	0	1	0	0	0	0	0	0	0	0

Table 7 (cont'd) S. ruberrimus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	>45
1532	1	2	170	50	0	0	0	0	0	0	0	0	1	0	
1532	1	2	154	20	0	0	0	0	0	0	0	0	0	1	
1532	1	2	154	20	0	0	0	0	0	0	0	1	0	0	
1532	1	2	140	20	0	0	0	0	0	0	0	1	0	0	
1532	1	2	90	20	0	0	0	0	0	0	0	1	0	0	
1532	1	2	80	20	0	0	0	0	1	0	0	0	0	0	
1533	1	1	170	60	0	0	0	0	0	2	1	0	1	0	0
1533	1	1	160	60	0	0	0	1	0	0	0	0	0	0	0
1533	1	1	140	60	0	0	0	0	0	0	0	1	0	0	0
1533	1	1	70	70	0	0	1	0	0	0	0	0	0	0	0
1533	1	1	60	70	0	0	1	0	0	0	0	0	0	0	0
1533	1	1	50	70	0	0	0	0	3	0	0	0	0	0	0
1533	1	1	40	70	0	0	2	0	5	0	0	0	0	0	0
1533	1	2	160	50	0	0	0	0	0	0	0	0	0	0	1
1533	1	2	140	20	0	0	0	0	1	0	1	0	0	0	0
1533	1	2	150	20	0	0	0	0	0	0	1	0	0	0	0
1533	1	2	60	70	0	0	0	0	0	0	0	1	0	0	0
1533	1	2	50	70	0	0	2	0	0	0	0	0	0	0	0
1533	2	1	130	20	0	0	0	0	0	0	0	1	0	0	0
1533	2	1	110	70	0	0	0	0	0	0	1	0	0	0	0
1533	2	1	100	20	0	0	0	0	1	0	0	0	0	0	0
1533	2	1	60	70	0	0	2	0	0	0	0	0	0	0	0
1533	2	1	50	70	0	0	1	0	0	0	0	0	0	0	0
1533	2	1	40	70	0	0	0	0	1	0	0	0	0	0	0
1533	2	1	30	70	0	0	1	0	0	0	0	0	0	0	0
1533	2	2	144	10	0	0	0	0	0	0	1	0	0	0	0
1533	2	2	60	70	0	0	0	0	0	1	0	0	0	0	0
1533	2	2	50	70	0	0	0	2	0	0	0	0	0	0	0
1533	2	2	40	70	0	0	0	1	0	0	0	0	0	0	0
1534	1	1	100	20	0	0	0	1	0	0	0	0	0	0	0
1534	1	1	90	50	0	0	1	3	0	0	0	0	0	0	0
1534	1	1	70	40	0	0	2	1	0	0	0	0	0	0	0
1534	1	1	68	20	0	0	1	2	0	0	0	0	0	0	0
1534	1	1	60	40	0	0	1	0	0	0	0	0	0	0	0
1534	1	1	54	40	0	0	1	0	0	0	0	0	0	0	0
1534	1	2	140	70	0	0	0	0	0	1	0	0	0	0	0
1534	1	2	100	20	0	0	0	0	0	0	0	0	1	0	0
1534	1	2	90	50	0	0	0	1	0	0	0	0	0	0	0
1534	1	2	70	40	0	0	0	2	1	2	0	0	0	0	0
1534	1	2	60	40	0	1	2	3	1	0	0	0	1	0	0
1534	2	1	146	70	0	0	0	0	0	1	0	0	0	0	0
1534	2	1	116	10	0	0	0	0	0	0	1	0	0	0	0

Table 7 (cont'd) S. ruberrimus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	>45
1534	2	1	90	20	0	0	1	0	0	1	0	0	0	0	0
1534	2	1	85	40	0	0	1	0	0	0	0	0	0	0	0
1534	2	1	75	30	0	0	0	0	2	0	0	1	0	0	0
1534	2	1	72	40	0	0	0	0	0	3	0	0	0	0	0
1534	2	1	70	40	0	0	2	0	2	0	1	0	0	0	0
1534	2	1	60	40	0	0	0	2	0	0	0	0	0	0	0
1534	2	2	140	70	0	0	0	0	0	0	1	0	0	0	0
1534	2	2	100	20	0	0	0	0	0	0	0	1	0	0	0
1534	2	2	83	40	0	0	0	0	0	0	1	0	0	0	0
1534	2	2	70	20	0	0	1	1	0	0	0	0	0	0	0
1534	2	2	60	40	0	0	1	0	0	0	0	0	0	0	0
1534	2	2	54	40	0	0	1	2	0	0	1	0	0	0	0
1534	3	1	140	70	0	0	0	1	0	1	0	0	0	0	0
1534	3	1	130	70	0	0	0	1	0	0	0	0	0	0	0
1534	3	1	120	20	0	0	0	0	1	0	0	0	0	0	0
1534	3	1	90	20	0	0	0	0	0	0	1	0	0	0	0
1534	3	1	70	40	0	0	0	2	2	0	1	0	0	0	0
1534	3	1	60	40	0	1	0	1	1	1	0	0	0	0	0
1534	3	2	120	70	0	0	0	0	0	1	0	0	0	0	0
1534	3	2	90	40	0	0	0	0	0	0	2	1	0	0	0
1534	3	2	80	40	0	0	0	0	0	1	0	0	0	0	0
1534	3	2	70	40	0	0	0	0	3	0	0	1	0	0	0
1534	3	2	60	40	0	1	0	0	3	0	0	0	0	0	0
1535	1	1	100	70	0	0	0	0	0	1	0	0	0	0	0
1535	1	1	90	70	0	0	0	1	0	0	0	0	0	0	0
1535	1	1	80	70	0	0	0	1	2	1	0	0	0	0	0
1535	1	1	70	70	0	0	0	0	0	0	1	0	0	0	0
1535	1	1	60	70	0	0	0	0	1	0	0	0	0	0	0
1535	1	2	140	70	0	0	0	0	0	0	0	0	0	0	1
1535	1	2	40	70	0	0	0	0	1	0	0	0	0	0	0
1535	1	2	30	30	0	0	0	1	0	0	0	0	0	0	0
1535	2	1	110	70	0	0	0	0	0	0	0	1	0	1	0
1535	2	1	80	70	0	0	0	0	1	1	1	0	0	0	0
1535	2	1	60	70	0	0	0	1	1	0	0	0	0	0	0
1535	2	1	40	70	0	0	1	1	0	0	0	0	0	0	0
1535	2	2	120	70	0	0	0	0	0	0	0	0	1	0	0
1535	2	2	100	70	0	0	0	0	0	0	0	0	0	0	1
1535	2	2	90	70	0	0	0	0	0	0	0	1	0	0	0
1535	2	2	80	70	0	0	0	0	0	1	0	1	0	0	0
1535	2	2	70	70	0	0	0	0	1	0	0	0	0	0	0
1535	2	2	60	70	0	0	0	0	0	2	0	0	0	0	0
1535	2	2	40	70	0	0	0	0	1	0	0	0	0	0	0

Table 7 (cont'd) S. ruberrimus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	>45
1535	2	2	30	70	0	0	0	0	1	0	0	0	0	0	0
1537	1	1	80	70	0	0	0	0	1	0	0	0	0	0	0
1538	1	1	120	20	0	0	0	0	0	0	0	0	1	0	0
1538	1	1	120	20	0	0	0	0	0	0	0	1	0	0	0
1538	1	1	110	50	0	0	0	1	0	0	0	0	0	0	0
1538	1	1	80	50	0	0	0	0	0	1	0	0	0	0	0
1539	2	1	110	70	0	0	0	0	0	1	0	0	0	0	0
1539	2	1	90	70	0	0	0	0	0	1	0	0	0	0	0
1539	2	2	90	70	0	0	0	0	0	0	0	1	0	0	0
1578	1	1	70	70	0	0	0	0	1	0	0	0	0	0	0
1578	2	1	150	50	0	0	0	0	0	0	0	1	0	0	0
1578	2	1	120	10	0	0	0	0	1	0	0	0	0	0	0
1578	2	1	110	70	0	0	0	0	0	1	0	0	0	0	0
1578	2	1	65	70	0	0	0	0	1	0	0	0	0	0	0
1578	2	1	60	70	0	0	0	1	0	0	0	0	0	0	0
1579	1	1	140	70	0	0	0	1	0	0	0	0	0	0	0
1579	1	1	130	70	0	0	0	0	0	1	0	0	0	0	0
1579	1	1	90	70	0	0	0	0	0	0	1	0	0	0	0
1579	1	1	57	70	0	0	1	0	0	0	0	0	0	0	0
1579	1	1	50	70	0	0	0	1	1	0	0	0	0	0	0
1579	1	1	40	70	0	0	0	1	1	0	0	0	0	0	0
1579	2	1	90	70	0	0	0	1	0	1	1	0	0	0	0
1579	2	1	50	70	0	0	0	1	0	0	0	0	0	0	0
1579	3	1	40	70	0	0	0	1	0	0	0	0	0	0	0
1579	3	1	30	40	0	0	0	0	1	0	0	0	0	0	0
1580	1	1	90	70	0	0	0	0	1	0	0	0	0	0	0
1580	1	1	70	70	0	0	0	0	0	0	1	0	0	0	0
1580	1	1	40	40	0	0	0	1	0	0	0	0	0	0	0
1580	1	2	80	70	0	0	0	0	0	0	1	0	0	0	0
1580	2	1	100	70	0	0	1	0	0	0	0	0	0	0	0
1580	2	1	90	70	0	0	0	0	0	1	0	0	0	0	0
1582	1	1	188	20	0	0	0	0	0	0	0	0	0	1	0
1582	1	2	170	50	0	0	0	0	0	0	1	0	0	0	0
1582	1	2	115	70	0	0	0	0	0	0	0	1	0	0	0
1582	1	2	90	70	0	0	0	0	1	0	0	0	0	0	0
1582	1	2	80	70	0	0	0	1	0	0	0	0	0	0	0
1582	2	1	150	70	0	0	0	0	0	0	0	0	0	1	0
1582	2	1	95	70	0	0	0	0	0	1	2	0	1	0	0
1582	2	2	140	70	0	0	0	0	0	0	0	1	1	0	0
1582	2	2	130	70	0	0	0	0	0	0	0	0	0	1	0
1582	2	2	83	70	0	0	0	0	0	1	0	0	0	0	0
1583	1	1	113	40	0	0	0	0	0	0	0	0	1	0	0
1583	1	1	110	40	0	0	0	0	0	0	1	0	0	0	0
1583	1	1	90	50	0	0	0	0	0	0	1	0	0	0	0
1583	1	2	94	60	0	0	0	0	0	1	0	0	0	0	0

Table 7 (cont'd) S. ruberrimus

DIVE	TR	S	DEP	HAB	UN	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	>45
1583	1	2	60	60	0	0	0	0	0	0	1	2	0	0	0
1583	1	2	50	50	0	0	0	0	0	0	1	0	0	0	0
1583	2	2	60	50	0	0	0	0	0	0	1	0	0	0	0
1583	2	2	50	50	0	0	0	1	0	0	0	0	0	0	0
1583	3	1	107	70	0	0	0	1	0	0	0	0	0	0	0
1583	3	1	100	70	0	0	0	1	0	0	0	0	0	0	0
1583	3	1	80	70	0	0	0	0	0	0	1	0	0	0	0
1584	1	1	70	70	0	0	0	1	0	0	0	0	0	0	0
1584	1	1	40	40	0	0	0	0	0	1	0	0	0	0	0
1584	1	2	80	70	0	0	0	0	0	1	0	0	0	0	0
1584	2	1	60	40	0	0	0	1	0	0	1	0	0	0	0
1584	2	1	53	40	0	0	0	0	0	0	1	0	0	0	0
1584	2	1	57	40	0	0	0	1	2	0	1	0	0	0	0
1584	2	1	50	40	0	0	1	0	0	0	1	0	0	0	0
1584	2	2	70	20	0	0	0	0	0	1	0	0	0	0	0
1584	2	2	60	40	0	0	0	0	0	0	0	1	0	0	0
1584	2	2	50	40	0	0	0	0	0	1	0	0	0	0	0
1584	2	2	57	40	0	0	0	0	0	0	1	0	0	0	0
1585	2	1	90	20	0	0	0	0	1	0	1	0	0	0	0
1585	2	1	60	20	0	1	0	0	0	0	0	0	0	0	0
TOTAL					0	4	33	51	53	38	36	18	12	5	4

i) Ophiodon elongatus

DIVE	TR	S	DEP	HAB	UN	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
1532	1	1	40	40	0	0	0	0	1	0	0	0	0	0	0
1534	2	1	100	20	0	0	0	0	1	0	0	0	0	0	0
1534	3	1	90	20	0	0	1	0	0	0	0	0	0	0	0
1535	1	2	30	30	0	0	0	0	1	0	0	0	0	0	0
1536	1	2	20	30	0	0	0	0	1	0	0	0	0	0	0
1537	1	1	40	50	0	0	0	0	1	0	0	0	0	0	0
1579	3	1	130	70	0	0	0	0	0	0	0	0	0	0	1
1579	3	1	25	70	0	0	1	0	0	0	0	0	0	0	0
1580	1	2	40	40	0	0	0	0	1	0	0	0	0	0	0
1580	2	1	60	10	0	0	0	0	1	0	0	0	0	0	0
1580	2	1	25	60	0	0	1	0	0	0	0	0	0	0	0
1580	2	1	15	40	0	0	0	0	0	0	1	0	0	0	0
1580	2	2	60	20	0	0	0	0	1	0	0	0	0	0	0
1580	2	2	40	70	0	1	0	0	0	0	0	0	0	0	0

Table 7 (cont'd) Ophiodon elongatus

DIVE	TR	S	DEP	HAB	UN	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	>65
1580	2	2	20	40	0	0	0	0	0	0	0	0	0	1	0
1581	1	1	40	20	0	0	1	0	0	0	0	0	0	0	0
1581	1	1	30	40	0	0	0	0	1	0	0	0	0	0	0
1581	1	2	30	40	0	0	0	0	1	0	0	0	0	0	0
1581	2	2	33	40	0	0	0	0	1	0	0	0	0	0	0
1581	2	2	30	40	0	0	1	0	1	0	0	0	0	0	0
1582	1	1	57	70	0	0	0	0	1	0	0	0	0	0	0
1582	1	2	80	70	0	0	0	0	1	0	0	0	0	0	0
1583	1	1	100	20	0	0	0	0	1	0	0	0	0	0	0
1583	1	2	70	50	0	0	1	0	0	0	0	0	0	0	0
1583	2	2	91	30	0	0	0	0	1	0	0	0	0	0	0
1583	2	2	79	20	0	0	0	0	1	0	0	0	0	0	0
1583	2	2	60	50	0	0	0	0	1	0	0	0	0	0	0
1583	3	2	62	30	0	0	1	0	0	0	0	0	0	0	0
1583	3	2	56	60	0	0	1	0	0	0	0	0	0	0	0
1584	2	1	53	40	0	0	2	0	0	0	0	0	0	0	0
1584	2	2	50	40	0	0	0	0	1	0	1	0	0	0	0
1584	2	2	25	40	0	0	0	0	1	0	0	0	0	0	0
TOTAL					0	1	10	0	20	0	2	0	0	1	1

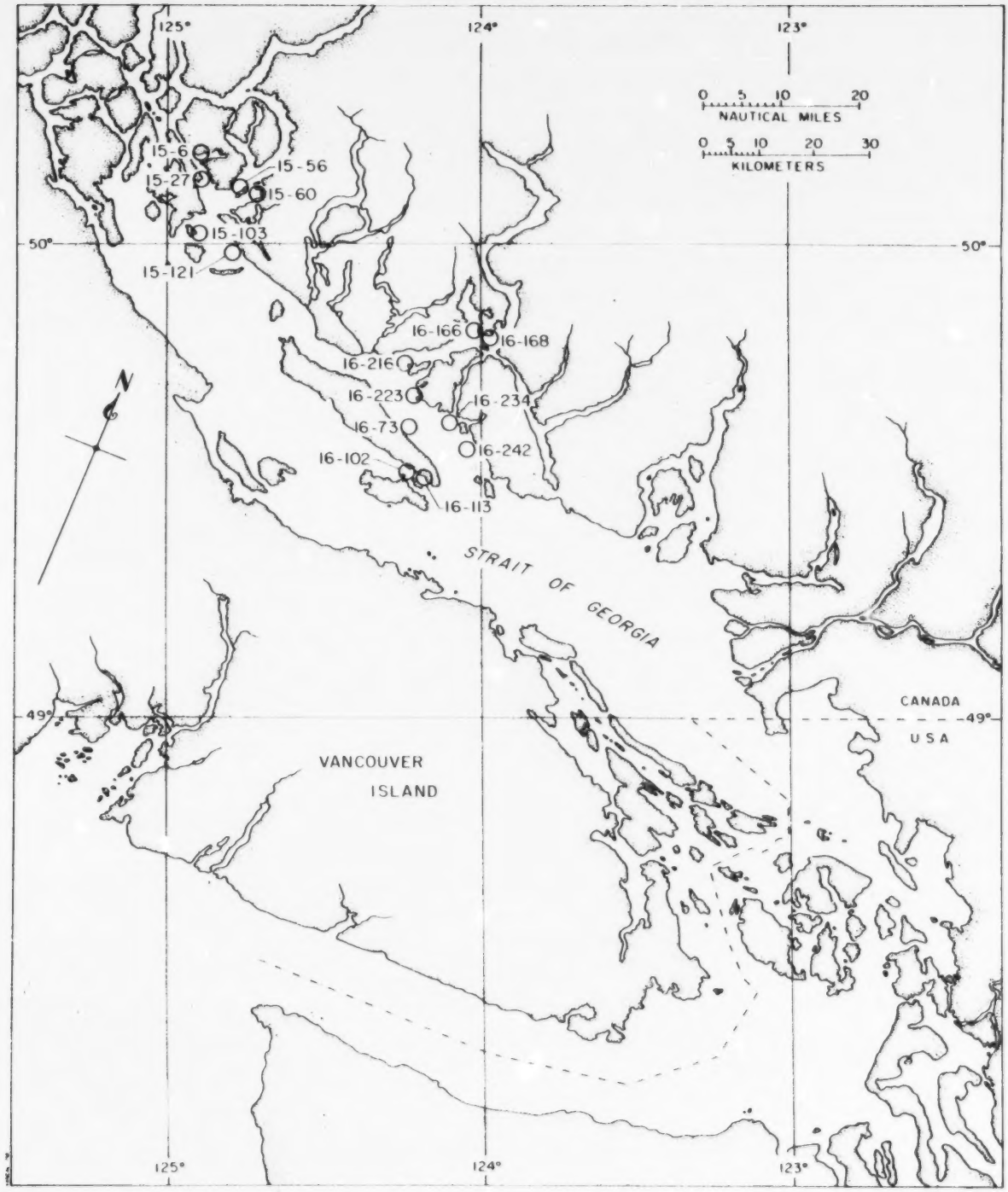
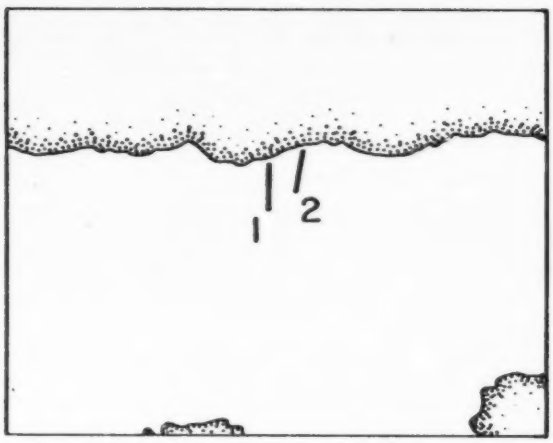
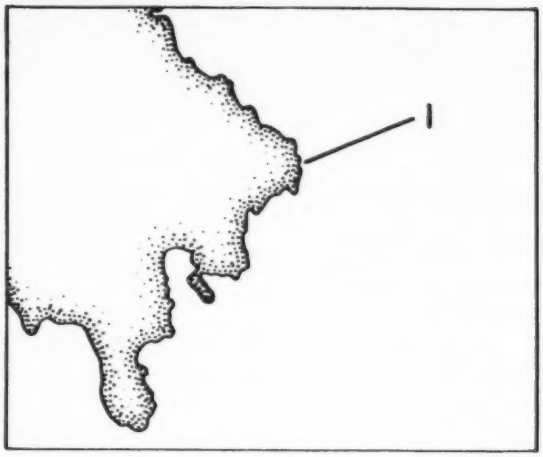


Figure 1. Locations of study sites in the Strait of Georgia. Large-scale maps of each study site show the approximate locations of each transect on each PISCES dive.

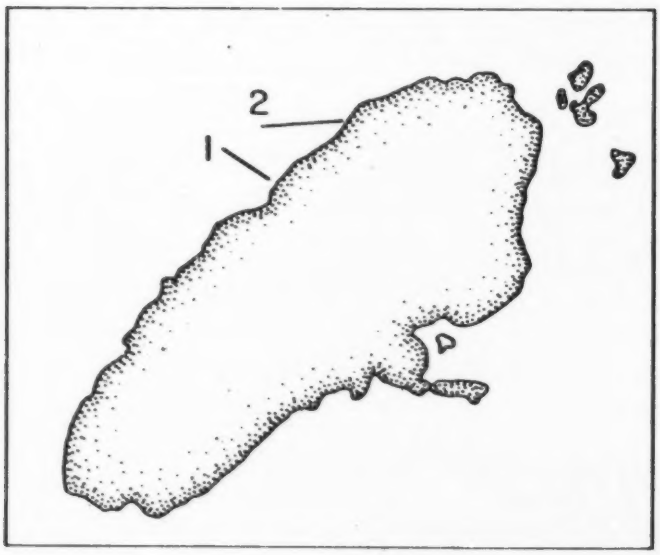
15-6, TEAKERNE



15-27, JUNCTION



15-56, MINK



15-60, TENEDOS

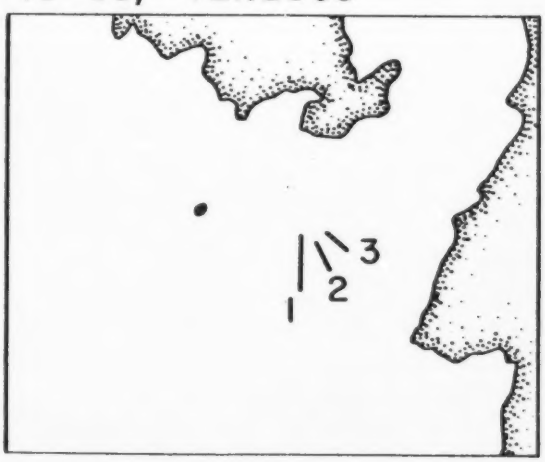
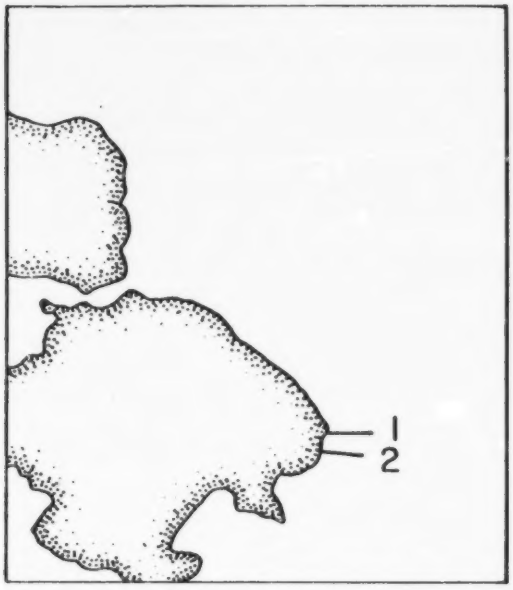
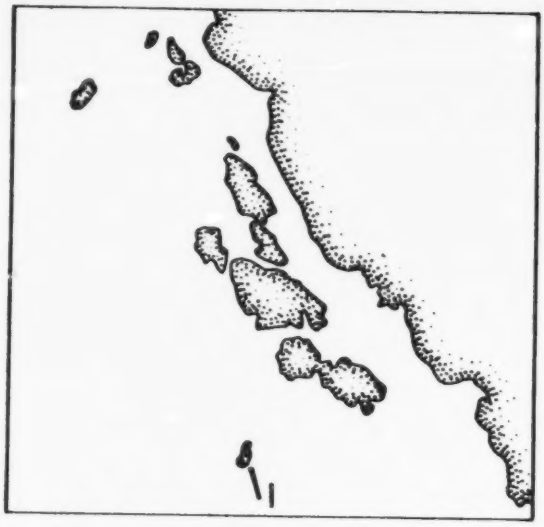


Figure 1 (cont'd)

15-103, TWIN



15-121, MAJOR



16-73, E. TEXADA

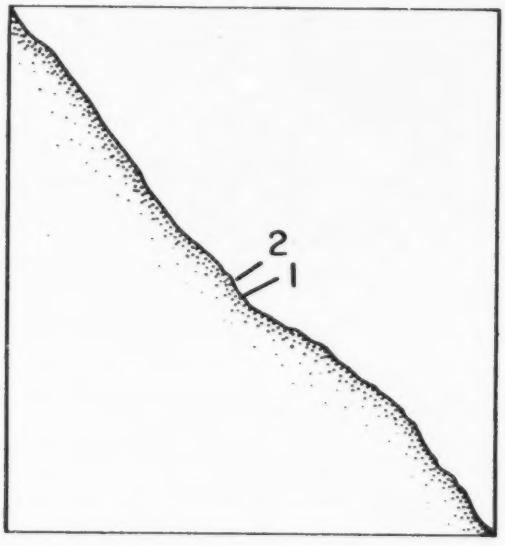
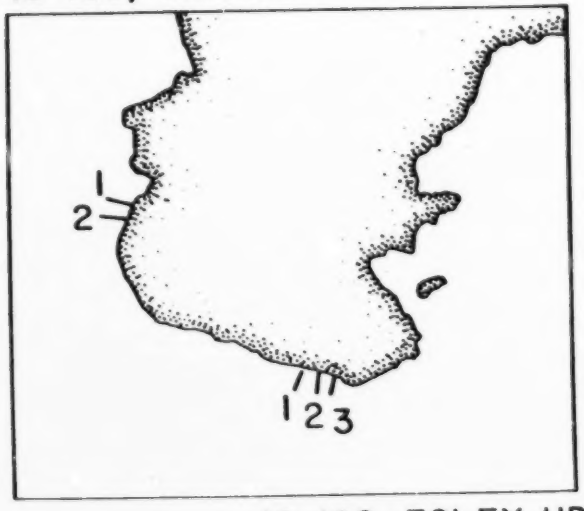


Figure 1 (cont'd)

16-102, PARTINGTON

16-113, S.W. TEXADA

16-166, JERVIS



16-168, FOLEY HD.

16-216, BALL

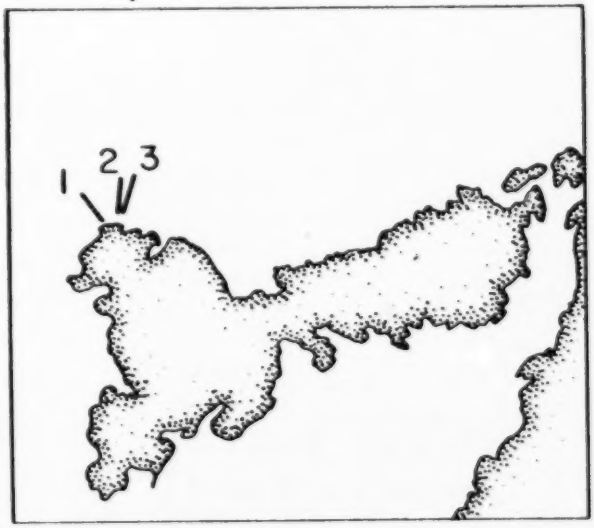
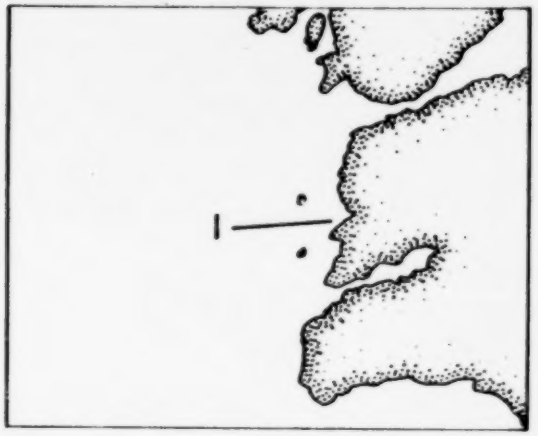
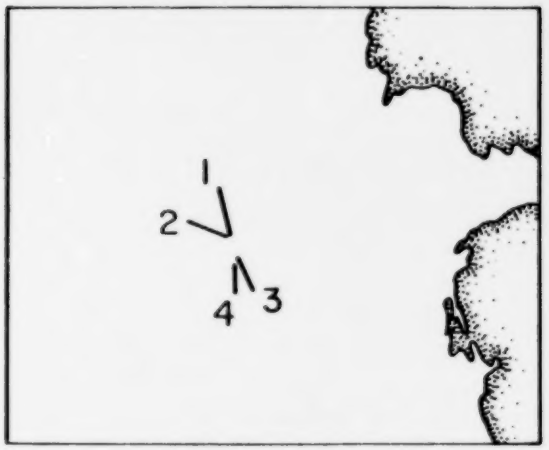


Figure 1 (cont'd)

16-223, STRAWBERRY



16-234, TEMPLE



16-242, BJERRE

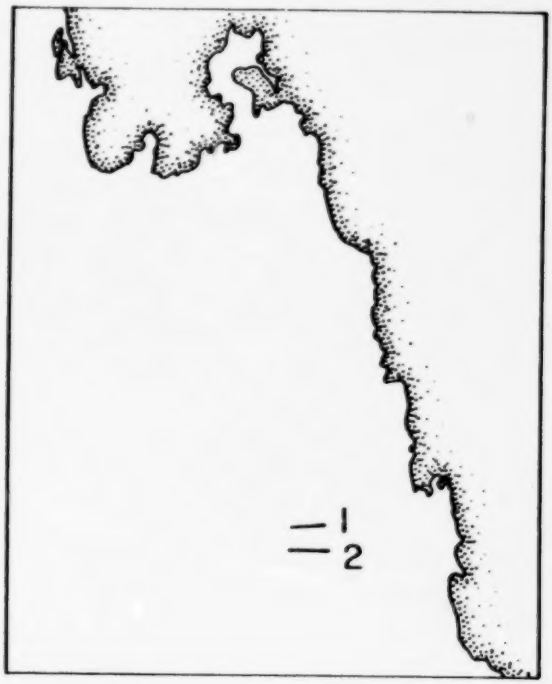


Figure 1 (cont'd)